

**2023 PEW RESEARCH CENTER'S AMERICAN TRENDS PANEL
W128 SCIENCE SURVEY
MAY 30 – JUNE 4, 2024¹**

ASK ALL:

ENV2 Do you favor or oppose EXPANDING each of the following sources of energy in our country?
[RANDOMIZE ITEMS]

- a. More offshore oil and gas drilling in U.S. waters
- b. More nuclear power plants to generate electricity
- c. More coal mining
- d. More solar panel "farms"
- e. More hydraulic fracturing, sometimes called "fracking," for oil and natural gas
- f. More wind turbine "farms"

RESPONSE OPTIONS

- 1 Favor
- 2 Oppose

Do you favor or oppose EXPANDING each of the following sources of energy in our country?

More nuclear power plants to generate electricity

☐ Favor

☐ Oppose

More solar panel "farms"

☐ Favor

☐ Oppose

More coal mining

☐ Favor

☐ Oppose

More wind turbine "farms"

☐ Favor

☐ Oppose

More hydraulic fracturing, sometimes called "fracking," for oil and natural gas

☐ Favor

☐ Oppose

More offshore oil and gas drilling in U.S. waters

☐ Favor

☐ Oppose

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¹ Open-end responses are excluded from public datasets to protect the confidentiality of ATP panelists.

ASK ALL:

EN1 Right now, which ONE of the following do you think should be the more important priority for addressing America's energy supply? **[RANDOMIZE ORDER OF RESPONSE 1 AND 2]**

- 1 Developing alternative sources, such as wind, solar and hydrogen technology
- 2 Expanding exploration and production of oil, coal and natural gas

Right now, which ONE of the following do you think should be the more important priority for addressing America's energy supply?

- ☐ Expanding exploration and production of oil, coal and natural gas
- ☐ Developing alternative sources, such as wind, solar and hydrogen technology

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ASK ALL:

EN2 Thinking about the country's energy supply, do you think the U.S. should... **[RANDOMIZE ORDER OF RESPONSE 1 AND 2]**

- 1 Phase out the use of oil, coal and natural gas completely, relying instead on renewable energy sources such as wind and solar power only
- 2 Use a mix of energy sources including oil, coal and natural gas along with renewable energy sources

Thinking about the country's energy supply, do you think the U.S. should...

- ☐ Use a mix of energy sources including oil, coal and natural gas along with renewable energy sources
- ☐ Phase out the use of oil, coal and natural gas completely, relying instead on renewable energy sources such as wind and solar power only

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ASK IF THEY SAY "USE A MIX" (EN2=2)

EN3 And do you think that ... **[RANDOMIZE RESPONSE OPTIONS]**

- 1 The country should never stop using oil, coal and natural gas
- 2 The country should eventually stop using oil, coal and natural gas, but we aren't ready yet

And do you think that...

- ☐ The country should eventually stop using oil, coal and natural gas, but we aren't ready yet
- ☐ The country should never stop using oil, coal and natural gas

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ASK ALL:

NRGPROB

If the U.S. greatly reduces energy production from fossil fuel sources such as oil, coal and natural gas, and increases energy production from renewable sources such as wind and solar... [SPACE]

How likely do you think it is that this transition would lead to unexpected problems for the country?

- 1 Very likely
- 2 Somewhat likely
- 3 Not too likely
- 4 Not at all likely

If the U.S. greatly reduces energy production from fossil fuel sources such as oil, coal and natural gas, and increases energy production from renewable sources such as wind and solar...

How likely do you think it is that this transition would lead to unexpected problems for the country?

- ☐ Very likely
- ☐ Somewhat likely
- ☐ Not too likely
- ☐ Not at all likely

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Thinking about life in this country over the next 30 years...

NRGTRNST

If the U.S. greatly reduces energy production from fossil fuel sources such as oil, coal and natural gas, and increases production from renewable sources such as wind and solar, how do you think it would impact each of the following in your local area?

[RANDOMIZE ITEMS]

- a. The reliability of the electrical grid
- b. Job opportunities in the energy sector
- c. The prices you pay to heat and cool your home
- d. The prices you pay for everyday goods
- e. Air and water quality
- f. The frequency of extreme weather events

RESPONSE OPTIONS:

- 1 Make better
- 2 Make worse
- 3 Not have much of an effect

Thinking about life in this country over the next 30 years...

If the U.S. greatly reduces energy production from fossil fuel sources such as oil, coal and natural gas, and increases production from renewable sources such as wind and solar, how do you think it would impact each of the following in your local area?

The prices you pay for everyday goods

- ☐ Make better
- ☐ Make worse
- ☐ Not have much of an effect

The frequency of extreme weather events

- ☐ Make better
- ☐ Make worse
- ☐ Not have much of an effect

The reliability of the electrical grid

- ☐ Make better
- ☐ Make worse
- ☐ Not have much of an effect

The prices you pay to heat and cool your home

- ☐ Make better
- ☐ Make worse
- ☐ Not have much of an effect

Job opportunities in the energy sector

- ☐ Make better
- ☐ Make worse
- ☐ Not have much of an effect

Air and water quality

- ☐ Make better
- ☐ Make worse
- ☐ Not have much of an effect

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ASK ALL NRGINDEP

If the U.S. greatly reduces energy production from fossil fuel sources such as oil, coal and natural gas, and increases production from renewable sources such as wind and solar... **[SPACE]**

Would it make it easier or harder for the U.S. to produce most of the energy it uses inside of the country?

- 1 Easier
- 2 Harder
- 3 Not have much of an effect

If the U.S. greatly reduces energy production from fossil fuel sources such as oil, coal and natural gas, and increases production from renewable sources such as wind and solar...

Would it make it easier or harder for the U.S. to produce most of the energy it uses inside of the country?

- ☐ Easier
- ☐ Harder
- ☐ Not have much of an effect

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ASK ALL:

WILLOWHRD The Biden administration recently approved the Willow oil-drilling project in Alaska. How much have you heard or read about the Willow project?

- 1 A lot
- 2 A little
- 3 Nothing at all

The Biden administration recently approved the Willow oil-drilling project in Alaska. How much have you heard or read about the Willow project?

- ☐ A lot
- ☐ A little
- ☐ Nothing at all

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ASK ALL:

WILLOWPJT Do you favor or oppose the Willow project to drill for oil in Alaska?

- 1 Strongly favor
- 2 Somewhat favor
- 3 Somewhat oppose
- 4 Strongly oppose
- [SPACE]**
- 5 Not sure

Do you favor or oppose the Willow project to drill for oil in Alaska?

- ☐ Strongly favor
- ☐ Somewhat favor
- ☐ Somewhat oppose
- ☐ Strongly oppose
- ☐ Not sure

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ASK ALL:

EVCAR3

Do you favor or oppose phasing out the production of new gasoline cars and trucks by the year 2035?

- 1 Favor
- 2 Oppose

Do you favor or oppose phasing out the production of new gasoline cars and trucks by the year 2035?

- ☐ Favor
- ☐ Oppose

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EVMOT

How would you feel if the U.S. phased out the production of new gasoline cars and trucks? **[RANDOMIZE OPTIONS 1 AND 2]**

- 1 Excited
- 2 Upset
- 3 Neutral

How would you feel if the U.S. phased out the production of new gasoline cars and trucks?

- ☐ Upset
- ☐ Excited
- ☐ Neutral

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EVEREAD

How confident are you that the U.S. will build the charging stations and infrastructure needed to support large numbers of electric vehicles on the roads? **[RANDOMIZE ORDER OF RESPONSE OPTIONS 1-5 AND 5-1 FOR RANDOM HALF SAMPLE]**

- 1 Extremely confident
- 2 Very confident
- 3 Somewhat confident
- 4 Not too confident
- 5 Not at all confident

How confident are you that the U.S. will build the charging stations and infrastructure needed to support large numbers of electric vehicles on the roads?

- ☐ Not at all confident
- ☐ Not too confident
- ☐ Somewhat confident
- ☐ Very confident
- ☐ Extremely confident

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ASK ALL:

LAWCOST

Which of these statements comes closer to your view, even if neither is exactly right?
[RANDOMIZE ORDER OF RESPONSE 1 AND 2]

- 1 Stricter environmental laws and regulations cost too many jobs and hurt the economy
- 2 Stricter environmental laws and regulations are worth the cost

Which of these statements comes closer to your view, even if neither is exactly right?

- ☐ Stricter environmental laws and regulations cost too many jobs and hurt the economy
- ☐ Stricter environmental laws and regulations are worth the cost

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ASK ALL:

ENVIR8

How much do you think the federal government is doing to... **[RANDOMIZE ITEMS]**

- a. Protect air quality
- b. Protect water quality of lakes, rivers and streams
- c. Protect animals and their habitats
- d. Protect open lands in national parks and nature preserves
- e. Reduce the effects of global climate change

RESPONSE OPTIONS

- 1 Too much
- 2 Too little
- 3 About the right amount

How much do you think the federal government is doing to...

Protect animals and their habitats

☐ Too much

☐ Too little

☐ About the right amount

Protect water quality of lakes, rivers and streams

☐ Too much

☐ Too little

☐ About the right amount

Protect open lands in national parks and nature preserves

☐ Too much

☐ Too little

☐ About the right amount

Protect air quality

☐ Too much

☐ Too little

☐ About the right amount

Reduce the effects of global climate change

☐ Too much

☐ Too little

☐ About the right amount

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ASK ALL:

LOCENV

How much of a problem, if at all, do you think each of the following is in your local community? **[RANDOMIZE ITEMS]**

- a. Air pollution
- b. Pollution of lakes, rivers and streams
- c. Safety of drinking water
- d. Too much garbage, waste and landfills
- e. Lack of greenspace and parks

RESPONSE OPTIONS

- 1 A big problem
- 2 A moderate problem
- 3 A small problem
- 4 Not a problem

How much of a problem, if at all, do you think each of the following is in your local community?

Lack of greenspace and parks

☐ A big problem

☐ A moderate problem

☐ A small problem

☐ Not a problem

Air pollution

☐ A big problem

☐ A moderate problem

☐ A small problem

☐ Not a problem

Pollution of lakes, rivers and streams

☐ A big problem

☐ A moderate problem

☐ A small problem

☐ Not a problem

Too much garbage, waste and landfills

☐ A big problem

☐ A moderate problem

☐ A small problem

☐ Not a problem

Safety of drinking water

☐ A big problem

☐ A moderate problem

☐ A small problem

☐ Not a problem

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ASK ALL:
ENVJUST1

How much have you heard or read about some communities in the U.S. facing greater health risks from pollution and other environmental problems than others?

- 1 A lot
- 2 A little
- 3 Nothing at all

How much have you heard or read about some communities in the U.S. facing greater health risks from pollution and other environmental problems than others?

- ☐ A lot
- ☐ A little
- ☐ Nothing at all

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ASK ALL:

ENVJUST2

How much of a role do you think the federal government should have in addressing differences across communities in their health risks from pollution and other environmental problems?

- 1 A major role
- 2 A minor role
- 3 No role at all

[SPACE]

- 4 Not sure

How much of a role do you think the federal government should have in addressing differences across communities in their health risks from pollution and other environmental problems?

- ☐ A major role
- ☐ A minor role
- ☐ No role at all

- ☐ Not sure

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ASK ALL:

ENVRMPCT

In the past 12 months, has your local community experienced the following?

[RANDOMIZE ITEMS]

- a. Droughts or water shortages
- b. Long periods of unusually hot weather
- c. Severe weather, like floods or intense storms
- d. Rising sea levels that erode beaches and shorelines
- e. Major wildfires

RESPONSE OPTIONS

- 1 Yes
- 2 No

In the past 12 months, has your local community experienced the following?

Major wildfires

☒ Yes
☐ No

Long periods of unusually hot weather

☒ Yes
☐ No

Droughts or water shortages

☒ Yes
☐ No

Rising sea levels that erode beaches and shorelines

☒ Yes
☐ No

Severe weather, like floods or intense storms

☒ Yes
☐ No

ASK IF EXPERIENCED EVENT (ENVRMPCTa-e=1):

CCXTRW1 In the past 12 months, how much do you think climate change contributed to the following in your local community? **[DISPLAY ITEMS IN SAME ORDER AS ENVRMPCT, ONLY SHOW ITEMS MARKED AS YES (ENVRMPCTa-e=1)]**

- a. Droughts or water shortages
- b. Long periods of unusually hot weather
- c. Severe weather, like floods or intense storms
- d. Rising sea levels that erode beaches and shorelines
- e. Major wildfires

RESPONSE OPTIONS

- 1 A lot
- 2 A little
- 3 Not at all

In the past 12 months, how much do you think climate change contributed to the following in your local community?

Major wildfires

☐ A lot

☐ A little

☐ Not at all

Long periods of unusually hot weather

☐ A lot

☐ A little

☐ Not at all

Droughts or water shortages

☐ A lot

☐ A little

☐ Not at all

Rising sea levels that erode beaches and shorelines

☐ A lot

☐ A little

☐ Not at all

Severe weather, like floods or intense storms

☐ A lot

☐ A little

☐ Not at all

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ASK ALL:

EWRESPONSE Do you think it is a good or bad idea for the federal government to do each of the following? **[RANDOMIZE ITEMS]**

- HELP. **ASK FORM 1 ONLY (XFORM=1):** Provide financial assistance for communities to relocate from areas at high risk of extreme weather
- REQUIRE. **ASK FORM 2 ONLY (XFORM=2):** Require communities to relocate from areas at high risk of extreme weather
- REBUILD. Provide financial assistance for communities in high risk areas to rebuild after extreme weather events
- LIMIT. Limit new construction in communities at high risk of extreme weather

RESPONSE OPTIONS

- 1 Good idea
- 2 Bad idea
- [SPACE]**
- 3 Not sure

Do you think it is a good or bad idea for the federal government to do each of the following?

Provide financial assistance for communities to relocate from areas at high risk of extreme weather

- ☐ Good idea
- ☐ Bad idea
- ☐ Not sure

Limit new construction in communities at high risk of extreme weather

- ☐ Good idea
- ☐ Bad idea
- ☐ Not sure

Provide financial assistance for communities in high risk areas to rebuild after extreme weather events

- ☐ Good idea
- ☐ Bad idea
- ☐ Not sure

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Do you think it is a good or bad idea for the federal government to do each of the following?

Require communities to relocate from areas at high risk of extreme weather

- ☐ Good idea
- ☐ Bad idea
- ☐ Not sure

Limit new construction in communities at high risk of extreme weather

- ☐ Good idea
- ☐ Bad idea
- ☐ Not sure

Provide financial assistance for communities in high risk areas to rebuild after extreme weather events

- ☐ Good idea
- ☐ Bad idea
- ☐ Not sure

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ASK ALL:
CLIM1A

Which of these three statements about the Earth's temperature comes closest to your view? **[RANDOMIZE RESPONSES 1 AND 2 WITH 3 AND 4 ALWAYS LAST]**

- 1 The Earth is getting warmer mostly because of human activity such as burning fossil fuels
- 2 The Earth is getting warmer mostly because of natural patterns in the Earth's environment
- 3 There is no solid evidence that the Earth is getting warmer **[anchor]**
- [SPACE]**
- 4 Not sure **[anchor]**

Which of these three statements about the Earth's temperature comes closest to your view?

☐ The Earth is getting warmer mostly because of natural patterns in the Earth's environment

☐ The Earth is getting warmer mostly because of human activity such as burning fossil fuels

☐ There is no solid evidence that the Earth is getting warmer

☐ Not sure

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ASK ALL:
CCPOLICY

Do you favor or oppose the following proposals to reduce the effects of global climate change? **[RANDOMIZE ITEMS A, B,C IN ONE BLOCK AND D,E,F IN SECOND BLOCK]**

- a. Planting about a trillion trees around the world to absorb carbon emissions in the atmosphere
- b. Taxing corporations based on the amount of carbon emissions they produce
- c. Providing a tax credit to encourage businesses to develop technology which captures and stores carbon emissions so they do not enter the atmosphere
- d. Requiring power plants to eliminate all carbon emissions by 2040
- e. Requiring oil and gas companies to seal methane gas leaks from oil wells
- f. Requiring most new buildings to be run only on electricity with no gas lines

RESPONSE OPTIONS

- 1 Favor
- 2 Oppose

Do you favor or oppose the following proposals to reduce the effects of global climate change?

Taxing corporations based on the amount of carbon emissions they produce

☐ Favor
☐ Oppose

Planting about a trillion trees around the world to absorb carbon emissions in the atmosphere

☐ Favor
☐ Oppose

Providing a tax credit to encourage businesses to develop technology which captures and stores carbon emissions so they do not enter the atmosphere

☐ Favor
☐ Oppose

Requiring most new buildings to be run only on electricity with no gas lines

☐ Favor
☐ Oppose

Requiring power plants to eliminate all carbon emissions by 2040

☐ Favor
☐ Oppose

Requiring oil and gas companies to seal methane gas leaks from oil wells

☐ Favor
☐ Oppose

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ASK ALL:
BIDENC4

Overall, do you think the Biden administration's policies on climate change are taking the country in the right or wrong direction?

- 1 Right direction
2 Wrong direction

Overall, do you think the Biden administration's policies on climate change are taking the country in the right or wrong direction?

☐ Right direction
☐ Wrong direction

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ASK FORM1 AND IF SELECTED RIGHT DIRECTION (XFORM=1 AND BIDENC4=1):

BIDENC5 When it comes to the Biden administration's efforts on climate change, which comes closer to your views? **[RANDOMIZE OPTIONS]**

- 1 They have done about as much as can be expected
- 2 They could be doing a lot more

When it comes to the Biden administration's efforts on climate change, which comes closer to your views?

☐ They have done about as much as can be expected

☐ They could be doing a lot more

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ASK FORM 2 ONLY:

BIDENC6 On climate change, do you think the Biden administration has... **[RANDOMIZE RESPONSE OPTIONS 1 AND 2 WITH 3 ALWAYS LAST]**

- 1 Compromised too much
- 2 Compromised too little
- 3 Handled this about right

On climate change, do you think the Biden administration has...

☐ Compromised too much

☐ Compromised too little

☐ Handled this about right

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ASK ALL:

CCPROP Thinking about proposals to reduce the effects of global climate change, how important is each of the following considerations to you personally? **[RANDOMIZE ITEMS]**

- a. Getting the U.S. to net-zero carbon emissions as quickly as possible
- b. Making sure proposals help lower-income communities
- c. Limiting the burden of regulations on businesses
- d. Increasing job and economic growth
- e. Keeping consumer costs low
- f. Protecting the quality of the environment for future generations

RESPONSE OPTIONS

- 1 Very important
- 2 Somewhat important
- 3 Not too important
- 4 Not at all important

Thinking about proposals to reduce the effects of global climate change, how important is each of the following considerations to you personally?

Making sure proposals help lower-income communities

- ☐ Very important
- ☐ Somewhat important
- ☐ Not too important
- ☐ Not at all important

Getting the U.S. to net-zero carbon emissions as quickly as possible

- ☐ Very important
- ☐ Somewhat important
- ☐ Not too important
- ☐ Not at all important

Protecting the quality of the environment for future generations

- ☐ Very important
- ☐ Somewhat important
- ☐ Not too important
- ☐ Not at all important

Keeping consumer costs low

- ☐ Very important
- ☐ Somewhat important
- ☐ Not too important
- ☐ Not at all important

Increasing job and economic growth

- ☐ Very important
- ☐ Somewhat important
- ☐ Not too important
- ☐ Not at all important

Limiting the burden of regulations on businesses

- ☐ Very important
- ☐ Somewhat important
- ☐ Not too important
- ☐ Not at all important

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ASK ALL:

CCINTL

Do you support or oppose the U.S. participating in international efforts to help reduce the effects of global climate change?

- 1 Strongly support
- 2 Somewhat support
- 3 Somewhat oppose
- 4 Strongly oppose

Do you support or oppose the U.S. participating in international efforts to help reduce the effects of global climate change?

- ☐ Strongly support
- ☐ Somewhat support
- ☐ Somewhat oppose
- ☐ Strongly oppose

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ASK FORM 1 ONLY (XFORM=1):

CLIMCOMP1 Compared to other countries with large economies, how much do you think the U.S. is doing to help reduce the effects of global climate change?

- 1 More than other countries with large economies
- 2 Less than other countries with large economies
- 3 About as much as other countries with large economies

Compared to other countries with large economies, how much do you think the U.S. is doing to help reduce the effects of global climate change?

- ☐ More than other countries with large economies
- ☐ Less than other countries with large economies
- ☐ About as much as other countries with large economies

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ASK FORM 2 ONLY (XFORM=2):

CLIMCOMP2 Compared to other countries with large economies, how much do you think the U.S. should be doing to help reduce the effects of global climate change?

- 1 More than other countries with large economies
- 2 Less than other countries with large economies
- 3 About as much as other countries with large economies

Compared to other countries with large economies, how much do you think the U.S. should be doing to help reduce the effects of global climate change?

- ☐ More than other countries with large economies
- ☐ Less than other countries with large economies
- ☐ About as much as other countries with large economies

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ASK ALL:

CCEFFC

How likely is it that countries around the world, including the U.S., will collectively do enough to avoid the worst impacts from climate change?

- 1 Will definitely happen
- 2 Will probably happen
- 3 Will probably NOT happen
- 4 Will definitely NOT happen
- 5 Climate change impacts are not a problem

How likely is it that countries around the world, including the U.S., will collectively do enough to avoid the worst impacts from climate change?

☐ Will definitely happen

☐ Will probably happen

☐ Will probably NOT happen

☐ Will definitely NOT happen

☐ Climate change impacts are not a problem

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On a different topic...

ASK ALL:

FUTSPACE

Do you think each of the following things will or will not happen in the next 50 years, that is, before the year 2073? **[RANDOMIZE ITEMS]**

- a. People will routinely travel in space as tourists
- b. People will build colonies that can be lived in for long periods of time on other planets
- c. Debris in space from rockets, satellites and other human-made objects will be a major problem
- d. The U.S. military will fight against other nations in space
- e. Intelligent life will be discovered on another planet

RESPONSE OPTIONS:

- 1 Will definitely happen
- 2 Will probably happen
- 3 Will probably not happen
- 4 Will definitely not happen

On a different topic...

Do you think each of the following things will or will not happen in the next 50 years, that is, before the year 2073?

Intelligent life will be discovered on another planet

- ☐ Will definitely happen
- ☐ Will probably happen
- ☐ Will probably not happen
- ☐ Will definitely not happen

People will build colonies that can be lived in for long periods of time on other planets

- ☐ Will definitely happen
- ☐ Will probably happen
- ☐ Will probably not happen
- ☐ Will definitely not happen

People will routinely travel in space as tourists

- ☐ Will definitely happen
- ☐ Will probably happen
- ☐ Will probably not happen
- ☐ Will definitely not happen

Debris in space from rockets, satellites and other human-made objects will be a major problem

- ☐ Will definitely happen
- ☐ Will probably happen
- ☐ Will probably not happen
- ☐ Will definitely not happen

The U.S. military will fight against other nations in space

- ☐ Will definitely happen
- ☐ Will probably happen
- ☐ Will probably not happen
- ☐ Will definitely not happen

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ASK ALL

SPACE1

In the past 12 months, how much, if anything, have you heard or read about NASA, the National Aeronautics and Space Administration?

- 1 A lot
- 2 A little
- 3 Nothing at all

In the past 12 months, how much, if anything, have you heard or read about NASA, the National Aeronautics and Space Administration?

- ☐ A lot
- ☐ A little
- ☐ Nothing at all

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ASK ALL

SPACE3

How would you rate each of the following priorities for NASA's space efforts?

[RANDOMIZE ITEMS; SPLIT OVER TWO SCREENS]

- a. Searching for life and planets that could support life
- b. Searching for raw materials and natural resources that could be used on Earth
- c. Conducting basic scientific research to increase knowledge and understanding of space
- d. Developing technologies that could be adapted for uses other than space exploration
- e. Monitoring asteroids and other objects that could potentially hit the Earth
- f. Monitoring key parts of the Earth's climate system
- g. **ASK FORM 1 (XFORM=1):** Sending human astronauts to explore the moon
- h. **ASK FORM 2 (XFORM=2):** Sending human astronauts to explore Mars
- i. Conducting scientific research on how space travel affects human health

RESPONSE OPTIONS

- 1 Should be a top priority
- 2 Should be an important but lower priority
- 3 Should not be too important
- 4 Should not be done

How would you rate each of the following priorities for NASA's space efforts?

Monitoring asteroids and other objects that could potentially hit the Earth

- ☐ Should be a top priority
- ☐ Should be an important but lower priority
- ☐ Should not be too important
- ☐ Should not be done

Searching for raw materials and natural resources that could be used on Earth

- ☐ Should be a top priority
- ☐ Should be an important but lower priority
- ☐ Should not be too important
- ☐ Should not be done

Developing technologies that could be adapted for uses other than space exploration

- ☐ Should be a top priority
- ☐ Should be an important but lower priority
- ☐ Should not be too important
- ☐ Should not be done

Conducting basic scientific research to increase knowledge and understanding of space

- ☐ Should be a top priority
- ☐ Should be an important but lower priority
- ☐ Should not be too important
- ☐ Should not be done

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How would you rate each of the following priorities for NASA's space efforts?

Searching for life and planets that could support life

- ☐ Should be a top priority
- ☐ Should be an important but lower priority
- ☐ Should not be too important
- ☐ Should not be done

Monitoring key parts of the Earth's climate system

- ☐ Should be a top priority
- ☐ Should be an important but lower priority
- ☐ Should not be too important
- ☐ Should not be done

Conducting scientific research on how space travel affects human health

- ☐ Should be a top priority
- ☐ Should be an important but lower priority
- ☐ Should not be too important
- ☐ Should not be done

Sending human astronauts to explore the moon

- ☐ Should be a top priority
- ☐ Should be an important but lower priority
- ☐ Should not be too important
- ☐ Should not be done

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How would you rate each of the following priorities for NASA's space efforts?

Searching for life and planets that could support life

- ☐ Should be a top priority
- ☐ Should be an important but lower priority
- ☐ Should not be too important
- ☐ Should not be done

Sending human astronauts to explore Mars

- ☐ Should be a top priority
- ☐ Should be an important but lower priority
- ☐ Should not be too important
- ☐ Should not be done

Searching for raw materials and natural resources that could be used on Earth

- ☐ Should be a top priority
- ☐ Should be an important but lower priority
- ☐ Should not be too important
- ☐ Should not be done

Monitoring asteroids and other objects that could potentially hit the Earth

- ☐ Should be a top priority
- ☐ Should be an important but lower priority
- ☐ Should not be too important
- ☐ Should not be done

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How would you rate each of the following priorities for NASA's space efforts?

Conducting basic scientific research to increase knowledge and understanding of space

- ☐ Should be a top priority
- ☐ Should be an important but lower priority
- ☐ Should not be too important
- ☐ Should not be done

Monitoring key parts of the Earth's climate system

- ☐ Should be a top priority
- ☐ Should be an important but lower priority
- ☐ Should not be too important
- ☐ Should not be done

Conducting scientific research on how space travel affects human health

- ☐ Should be a top priority
- ☐ Should be an important but lower priority
- ☐ Should not be too important
- ☐ Should not be done

Developing technologies that could be adapted for uses other than space exploration

- ☐ Should be a top priority
- ☐ Should be an important but lower priority
- ☐ Should not be too important
- ☐ Should not be done

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ASK ALL
SPACE6

In your view, do you think it is...

- 1 ESSENTIAL that the United States continue to be a world leader in space exploration
- 2 NOT ESSENTIAL that the United States continue to be a world leader in space exploration

In your view, do you think it is...

- ☐ ESSENTIAL that the United States continue to be a world leader in space exploration
- ☐ NOT ESSENTIAL that the United States continue to be a world leader in space exploration

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ASK ALL
SPACE9

How much, if anything, have you heard or read about private companies, such as SpaceX, Blue Origin and Virgin Galactic, developing space exploration capabilities?

- 1 A lot
- 2 A little
- 3 Nothing at all

How much, if anything, have you heard or read about private companies, such as SpaceX, Blue Origin and Virgin Galactic, developing space exploration capabilities?

- ☐ A lot
- ☐ A little
- ☐ Nothing at all

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ASK ALL
SPACE10

Which statement comes closer to your views, even if neither is exactly right?
[RANDOMIZE RESPONSE OPTIONS]

- 1 It is essential that NASA continue to be involved in space exploration
- 2 Private companies will ensure that enough progress is made in space exploration, even without NASA's involvement

Which statement comes closer to your views, even if neither is exactly right?

- ☐ Private companies will ensure that enough progress is made in space exploration, even without NASA's involvement
- ☐ It is essential that NASA continue to be involved in space exploration

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ASK ALL
SPACE11

In the future, private companies expect to allow people to orbit the Earth in a spacecraft. How much, if at all, would you, personally, be interested in doing this?

- 1 Definitely interested
- 2 Probably interested
- 3 Probably NOT interested
- 4 Definitely NOT interested

In the future, private companies expect to allow people to orbit the Earth in a spacecraft. How much, if at all, would you, personally, be interested in doing this?

- ☐ Definitely interested
- ☐ Probably interested
- ☐ Probably NOT interested
- ☐ Definitely NOT interested

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ASK ALL

SPACEPRIV

How good of a job do you think private space companies are doing at each of the following? **[RANDOMIZE ITEMS]**

- a. Building rockets and spacecraft that are safe and reliable
- b. Making important contributions to space exploration
- c. Limiting the debris from rockets, satellites and other human-made objects in space
- d. Opening up space travel to more people

RESPONSE OPTIONS:

- 1 Doing a mostly good job
- 2 Doing a mostly bad job

[SPACE]

- 3 Not sure

How good of a job do you think private space companies are doing at each of the following?

Making important contributions to space exploration

- ☐ Doing a mostly good job
- ☐ Doing a mostly bad job
- ☐ Not sure

Limiting the debris from rockets, satellites and other human-made objects in space

- ☐ Doing a mostly good job
- ☐ Doing a mostly bad job
- ☐ Not sure

Building rockets and spacecraft that are safe and reliable

- ☐ Doing a mostly good job
- ☐ Doing a mostly bad job
- ☐ Not sure

Opening up space travel to more people

- ☐ Doing a mostly good job
- ☐ Doing a mostly bad job
- ☐ Not sure

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ASK ALL

SPACEBEHAV Have you ever done any of the following activities outside of work? **[RANDOMIZE ITEMS]**

WATCH. Watched a space launch

IMAGE. Looked at an image from a space telescope, such as the James Webb space telescope

MUS. Visited a planetarium or space museum

EVENT. Seen an astronomical event such as an eclipse or meteor shower

RESPONSE OPTIONS:

- 1 Yes, have done this in the past 12 months
- 2 Yes, have done this but not in the past 12 months
- 3 No, have never done this

Have you ever done any of the following activities outside of work?

Visited a planetarium or space museum

☐ Yes, have done this in the past 12 months

☐ Yes, have done this but not in the past 12 months

☐ No, have never done this

Seen an astronomical event such as an eclipse or meteor shower

☐ Yes, have done this in the past 12 months

☐ Yes, have done this but not in the past 12 months

☐ No, have never done this

Looked at an image from a space telescope, such as the James Webb space telescope

☐ Yes, have done this in the past 12 months

☐ Yes, have done this but not in the past 12 months

☐ No, have never done this

Watched a space launch

☐ Yes, have done this in the past 12 months

☐ Yes, have done this but not in the past 12 months

☐ No, have never done this

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ASK ALL:

EVCAR2

The next time you purchase a vehicle, how likely are you to seriously consider purchasing an electric vehicle?

- 1 Very likely
- 2 Somewhat likely
- 3 Not too likely
- 4 Not at all likely

[SPACE]

- 5 I do not expect to purchase a vehicle

The next time you purchase a vehicle, how likely are you to seriously consider purchasing an electric vehicle?

☐ Very likely
☐ Somewhat likely
☐ Not too likely
☐ Not at all likely
☐ I do not expect to purchase a vehicle

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ASK IF VERY/SOMEWHAT LIKELY TO PURCHASE AN ELECTRIC VEHICLE (EVCAR2=1,2):

EVCAR2B How much of a reason is each of the following for why you would consider purchasing an electric vehicle? **[RANDOMIZE ITEMS]**

- a. To save money on gas
- b. To help the environment
- c. To keep up with the latest trends in vehicles

RESPONSE OPTIONS

- 1 Major reason
- 2 Minor reason
- 3 Not a reason

How much of a reason is each of the following for why you would consider purchasing an electric vehicle?

To keep up with the latest trends in vehicles

☐ Major reason
☐ Minor reason
☐ Not a reason

To save money on gas

☐ Major reason
☐ Minor reason
☐ Not a reason

To help the environment

☐ Major reason
☐ Minor reason
☐ Not a reason

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ASK ALL:

EVCAR1 Do you currently have an electric or hybrid vehicle?

- 1 Yes
- 2 No

Do you currently have an electric or hybrid vehicle?

☐ Yes

☐ No

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ASK IF HOMEOWNER [XOWNRENTMOD=1]:

IRAHOME Have you given serious thought to making the following changes to your home within the past 12 months? **[ITEM SOLAR ALWAYS FIRST; RANDOMIZE ITEMS PUMP - WATER]**

SOLAR. Installing solar panels to generate electricity

PUMP. Installing an electric heat pump to heat and cool your home

INSUL. Improving your home's insulation

STOVE. Replacing a gas stove or oven with an electric or induction system

WATER. Replacing a gas water heater with an electric heat pump system to heat your water

RESPONSE CATEGORIES

1 I have given serious thought to this

2 I have NOT given serious thought to this

[SPACE]

3 I already have this in my home

4 Does not apply to me

Have you given serious thought to making the following changes to your home within the past 12 months?

Installing solar panels to generate electricity

- ☐ I have given serious thought to this
- ☐ I have NOT given serious thought to this

- ☐ I already have this in my home
- ☐ Does not apply to me

Improving your home's insulation

- ☐ I have given serious thought to this
- ☐ I have NOT given serious thought to this

- ☐ I already have this in my home
- ☐ Does not apply to me

Installing an electric heat pump to heat and cool your home

- ☐ I have given serious thought to this
- ☐ I have NOT given serious thought to this

- ☐ I already have this in my home
- ☐ Does not apply to me

Replacing a gas water heater with an electric heat pump system to heat your water

- ☐ I have given serious thought to this
- ☐ I have NOT given serious thought to this

- ☐ I already have this in my home
- ☐ Does not apply to me

Replacing a gas stove or oven with an electric or induction system

- ☐ I have given serious thought to this
- ☐ I have NOT given serious thought to this

- ☐ I already have this in my home
- ☐ Does not apply to me

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DISPLAY FOR ALL:

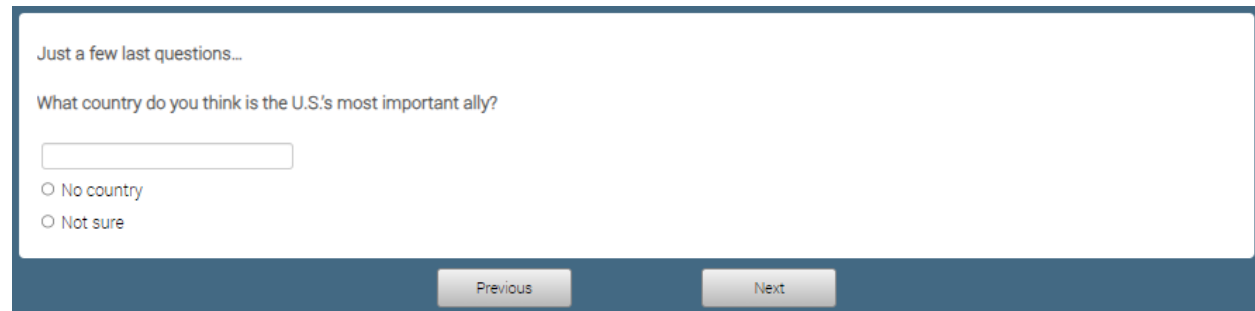
Just a few last questions...

[RANDOMIZE ORDER OF BLOCK 1 (ALLIES_OPEN AND ALLIES_RELATIONS) AND BLOCK 2 (THREATS_OPEN AND THREAT_TYPE)]

ASK ALL:

ALLIES_OPEN What country do you think is the U.S.'s most important ally?

- 1 **[OPEN-END TEXT BOX FOR ONE LINE]**
- 2 No country
- 3 Not sure



Just a few last questions...

What country do you think is the U.S.'s most important ally?

☐ No country

☐ Not sure

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ASK THOSE WHO PROVIDED A VERBATIM RESPONSE TO ALLIES_OPEN (ALLIES_OPEN = 1):

ALLIES_RELATIONS Thinking about the relationship between the U.S. and the country you listed in the previous question, how important are... **[RANDOMIZE ITEMS]**

ALLIES_DEFENSE. Security and defense ties

ALLIES_ECON. Economic and trade ties

ALLIES_VALUES. Shared values

RESPONSE OPTIONS:

- 1 Very important
- 2 Somewhat important
- 3 Not too important
- 4 Not at all important

Thinking about the relationship between the U.S. and the country you listed in the previous question, how important are...

Economic and trade ties

- ☐ Very important
- ☐ Somewhat important
- ☐ Not too important
- ☐ Not at all important

Shared values

- ☐ Very important
- ☐ Somewhat important
- ☐ Not too important
- ☐ Not at all important

Security and defense ties

- ☐ Very important
- ☐ Somewhat important
- ☐ Not too important
- ☐ Not at all important

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[RANDOMIZE ORDER OF BLOCK 1 (ALLIES_OPEN AND ALLIES_RELATIONS) AND BLOCK 2 (THREATS_OPEN AND THREAT_TYPE)]

ASK ALL:

THREATS_OPEN

What country do you think poses the greatest threat to the U.S.?

- 1 **[OPEN-END TEXT BOX FOR ONE LINE]**
- 2 No country
- 3 Not sure

What country do you think poses the greatest threat to the U.S.?

- ☐ No country
- ☐ Not sure

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ASK THOSE WHO PROVIDED A VERBATIM RESPONSE TO THREATS_OPEN (THREATS_OPEN = 1):

THREAT_TYPE To what extent does the country that you listed in the previous question pose a threat to... **[RANDOMIZE ITEMS]**

THREAT_ECON. The U.S. economy
THREAT_SECURITY. U.S. national security

RESPONSE OPTIONS:

- 1 A great deal
- 2 A fair amount
- 3 Not too much
- 4 Not at all

To what extent does the country that you listed in the previous question pose a threat to...

The U.S. economy

☐ A great deal

☐ A fair amount

☐ Not too much

☐ Not at all

U.S. national security

☐ A great deal

☐ A fair amount

☐ Not too much

☐ Not at all

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CODEBOOK FOR ATP SAMPLE VARIABLES TO BE USED IN SURVEY PROGRAMMING LOGIC

XOWNRENTMOD

- 1 Homeowner
- 2 Not a homeowner

Note: Flag to identify homeowners in IRAHOME.