

**HRS 2022 -- MODULE 3: Scientific Knowledge and Beliefs  
COMMENTED VERSION --12/12/2021**

Source: General Social Survey (Qs. 1-17) and Zogby Analytics: Research!America 2021 Survey on Science and STEM issues (Q. 18)

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**NOTE ABOUT BRANCHPOINTS:**

**WHERE THERE IS MORE THAN ONE JUMP WITHIN A BRANCHPOINT BOX, THE JUMPS ARE TO BE APPLIED IN ORDER FROM THE TOP.**

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**NOTE ABOUT COLORS:**

**ALL TEXT IN TEAL IS SPECIFIC TO A WEB INTERVIEW.**

**THE CORE INTERVIEW IS DOCUMENTED USING BLACK TEXT, BUT BLACK TEXT CAN ALSO APPLY TO THE EXIT OR WEB INTERVIEW WHEN THERE ARE NO DIFFERENCES FROM THE CORE.**

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**ANY QUESTION THAT IS UNDERLINED IN THE B&A WILL APPEAR IN BOLD IN CAPI AND WILL BE UNDERLINED FOR CAWI.**

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**NOTE ABOUT NON-RESPONSE FLOW:**

**ANY QUESTION THAT IS ASKED BUT LEFT WITHOUT A RESPONSE IN CAWI INTERVIEWS WILL FOLLOW THE SAME PATH AS A REFUSAL FOR THAT QUESTION, UNLESS OTHERWISE SPECIFIED.**

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**V000 BP: ASK IF THIS IS A REIWER HH (X024 = 1), LIVING (A007 = 1) AND SELF R (A009 = 1)**

V000

Now that we have finished with the main part of this interview, we have a few more questions to ask you. This will only take a few minutes.

[INSTR: IF R REFUSED BEFORE STARTING A MODULE, ENTER 9. IF R STARTED TO DO A MODULE AND THEN CHANGED HIS/HER MIND, ENTER 99.]

Now that we have finished with the main part of this interview, we have a few more questions to ask you. This will only take a few minutes.

- 1. R IS WILLING
- 9. R REFUSED AT MODULE INTRO ..... GO TO END OF MODULE
- 99. R REFUSED AFTER STARTING A MODULE

**1. CONTINUE**

NOTE: IF R LEAVES V000 EMPTY IN CAWI IT WILL BE TREATED AS A REFUSAL AND SKIP R OUT OF MODULES

**V301 BP: ASK IF R IS ASSIGNED TO MODULE 3 (X009 = 3)**

V301

Now, I would like to ask you a few short questions like those you might see on a television game show. For each statement that I read, please tell me if it is true or false. If you don't know or aren't sure, just tell me so, and we will skip to the next question. Remember, true, false, or don't know.

First, the center of the Earth is very hot. Is that true or false?

[INSTR: DO NOT PROBE "DON'T KNOW."]

Now, I would like to ask you a few short questions like those you might see on a television game show. For each statement that I read, please tell me if it is true or false. If you don't know or aren't sure, just tell me so, and we will skip to the next question. Remember, true, false, or don't know.

First, the center of the Earth is very hot. Is that true or false?

- 1. TRUE
- 25. FALSE**
- 8. DK
- 9. RF

*Note: DK shows on screen for CAWI for V301 - V310*

V302

All radioactivity is man-made. (Is that true or false?)

[INSTR: DO NOT PROBE “DON’T KNOW.”]

**All radioactivity is man-made.**

1. TRUE

**25. FALSE**

8. DK

9. RF

V303

It is the father’s gene that decides whether the baby is a boy or a girl. (Is that true or false?)

[INSTR: DO NOT PROBE “DON’T KNOW.”]

**It is the father’s gene that decides whether the baby is a boy or a girl.**

1. TRUE

**25. FALSE**

8. DK

9. RF

V304

Lasers work by focusing sound waves. (Is that true or false?)

[INSTR: DO NOT PROBE “DON’T KNOW.”]

**Lasers work by focusing sound waves.**

1. TRUE

**25. FALSE**

8. DK

9. RF

V305

Electrons are smaller than atoms. (Is that true or false?)

[INSTR: DO NOT PROBE “DON’T KNOW.”]

**Electrons are smaller than atoms.**

1. TRUE  
**25.** FALSE

8. DK  
9. RF

V306

Antibiotics kill viruses as well as bacteria. (Is that true or false?)

[INSTR: DO NOT PROBE “DON’T KNOW.”]

[Antibiotics kill viruses as well as bacteria.](#)

1. TRUE  
**25.** FALSE

8. DK  
9. RF

V307

According to astronomers, the universe began with a huge explosion. (Is that true or false?)

[INSTR: DO NOT PROBE “DON’T KNOW.”]

[According to astronomers, the universe began with a huge explosion.](#)

1. TRUE  
**25.** FALSE

8. DK  
9. RF

V308

The continents on which we live have been moving their locations for millions of years and will continue to move in the future. (Is that true or false?)

[INSTR: DO NOT PROBE “DON’T KNOW.”]

[The continents on which we live have been moving their locations for millions of years and will continue to move in the future.](#)

1. TRUE  
**25.** FALSE

8. DK  
9. RF

V309

Elephants, as we know them today, descended from earlier species of animals.  
(Is that true or false?)

[INSTR: DO NOT PROBE “DON’T KNOW.”]

[Elephants, as we know them today, descended from earlier species of animals.](#)

1. TRUE

**25.** FALSE

8. DK

9. RF

V310

Now, we have another kind of question. Does the Earth go around the Sun, or does the Sun go around the Earth?

[INSTR: DO NOT PROBE “DON’T KNOW.”]

[Now, we have another kind of question. Does the Earth go around the Sun, or does the Sun go around the Earth?](#)

1. EARTH AROUND SUN

2. SUN AROUND EARTH

8. DK

9. RF

V311

Next, I’m going to read you some statements about science and technology. For each statement, please tell me if you strongly agree, agree, disagree, or strongly disagree.

Because of science and technology, there will be more opportunities for the next generation. (Do you strongly agree, agree, disagree, or strongly disagree?)

[Next, I’m going to read you some statements about science and technology. For each statement, please tell us if you strongly agree, agree, disagree, or strongly disagree.](#)

Because of science and technology, there will be more opportunities for the next generation.

- 1. STRONGLY AGREE
- 2. AGREE
- 3. DISAGREE
- 4. STRONGLY DISAGREE
  
- 5. DK
- 6. RF

V312

Science makes our way of life change too fast. (Do you strongly agree, agree, disagree, or strongly disagree?)

**Science makes our way of life change too fast.**

- 1. STRONGLY AGREE
- 2. AGREE
- 3. DISAGREE
- 4. STRONGLY DISAGREE
  
- 5. DK
- 6. RF

V313

Even if it brings no immediate benefits, scientific research that advances the frontiers of knowledge **is necessary and** should be supported by the federal government. (Do you strongly agree, agree, disagree, or strongly disagree?)

#@ OP (8/25/21) Q  
text #48850

**Even if it brings no immediate benefits, scientific research that advances the frontiers of knowledge **is necessary and** should be supported by the federal government.**

#@ OP (8/25/21) Q  
text #48850

- 1. STRONGLY AGREE
- 2. AGREE
- 3. DISAGREE
- 4. STRONGLY DISAGREE
  
- 5. DK
- 6. RF

V314

Now, I would like to read you some statements about scientists. Please tell me whether you strongly agree, agree, disagree, or strongly disagree with each one.

Scientific researchers are dedicated people who work for the good of humanity. (Do you strongly agree, agree, disagree, or strongly disagree?)

Now, we would like to read you some statements about scientists. Please tell us whether you strongly agree, agree, disagree, or strongly disagree with each one.

Scientific researchers are dedicated people who work for the good of humanity.

- 1. STRONGLY AGREE
- 2. AGREE
- 3. DISAGREE
- 4. STRONGLY DISAGREE
  
- 5. DK
- 6. RF

V315

#@ OP (8/25/21) Q  
was dropped #48149

~~Most scientists want to work on things that will make life better for the average person. (Do you strongly agree, agree, disagree, or strongly disagree?)~~

~~Most scientists want to work on things that will make life better for the average person.~~

- ~~1. STRONGLY AGREE~~
- ~~2. AGREE~~
- ~~3. DISAGREE~~
- ~~4. STRONGLY DISAGREE~~
  
- ~~5. DK~~
- ~~6. RF~~

V316

#@ OP (8/25/21) Q  
was dropped #48149

~~Scientists are helping to solve challenging problems. (Do you strongly agree, agree, disagree, or strongly disagree?)~~

~~Scientists are helping to solve challenging problems.~~

- ~~1. STRONGLY AGREE~~
- ~~2. AGREE~~
- ~~3. DISAGREE~~
- ~~4. STRONGLY DISAGREE~~
  
- ~~5. DK~~
- ~~6. RF~~

V317

Scientists are apt to be odd and peculiar people. (Do you strongly agree, agree, disagree, or strongly disagree?)

**Scientists are apt to be odd and peculiar people.**

- 1. STRONGLY AGREE
  - 2. AGREE
  - 3. DISAGREE
  - 4. STRONGLY DISAGREE
- 
- 5. DK
  - 6. RF

V318

This next question is about science and mathematics education. The quality of science and mathematics education in American schools is inadequate. Do you strongly agree, agree, disagree, or strongly disagree?

**This next question is about science and mathematics education. The quality of science and mathematics education in American schools is inadequate.**

- 1. STRONGLY AGREE
  - 2. AGREE
  - 3. DISAGREE
  - 4. STRONGLY DISAGREE
- 
- 5. DK
  - 6. RF

V319

And finally, how important do you think it is that the U.S. is a global leader in scientific research? Is it very important, somewhat important, not too important, not at all important?

**And finally, how important do you think it is that the U.S. is a global leader in scientific research?**

- 1. VERY IMPORTANT
  - 2. SOMEWHAT IMPORTANT
  - 3. NOT TOO IMPORTANT
  - 4. NOT AT ALL IMPORTANT
- 
- 5. DK; NOT SURE
  - 6. RF