

## Default Question Block

### Informed consent

- I agree to participate in this study.
- I do not wish to participate in this study.

### Self-Efficacy

Rate the degree to which you agree or disagree with the following statements concerning your confidence in your abilities to function as a scientist in your area.

	Strongly disagree	disagree	Neither agree nor disagree	agree	Strongly agree
I am confident that I can use technical science skills (use of tools, instruments, and techniques)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am confident that I can generate a research question to answer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am confident that I can figure out what data/observations to collect and how to collect them	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am confident that I can create explanations for the results of the study	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am confident that I can use scientific literature and reports to guide my research	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am confident that I can develop theories (integrate and coordinate results from multiple studies)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## Science Identity

Rate the degree to which you agree or disagree with the following statements concerning your sense of yourself as a scientist who undertakes research activities

	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
I have a strong sense of belonging to the community of scientists	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I derive great personal satisfaction from working on a team that is doing important research	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have come to think of myself as a 'scientist'	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel like I belong in the field of science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The daily work of a scientist is appealing to me	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## Scientific Community Values

Please read each description and think about how much each person is or is not like you. Check the answer that best reflects how much the person in the description is like you.

	Not like me at all	Not like me	A little like me	Somewhat like me	Like me	Very much like me
A person who thinks discussing new theories and ideas between scientists is important	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A person who thinks it is valuable to conduct research that builds the world's scientific knowledge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A person who thinks that scientific research can solve many of today's world challenges	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A person who feels discovering something new in the sciences is thrilling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## Experimental Design

Advertisements for a herbal product, ginseng, claim that it promotes endurance. Prior to accepting this claim, and to determine whether or not this claim is

fraudulent, you decide to perform a scientific experiment. Describe your proposed experiment and provide justifications for each aspect of your experimental design. Lastly, state whether the results of your experiment could prove the hypothesis that ginseng promotes endurance. This should take you approximately 10-15 minutes to complete.

## Demographic questions

What year are you?

- Freshman
- Sophomore
- Junior
- Senior

How many lab courses have you taken in college?

Have you worked or volunteered in a research lab since coming to college?

- Yes
- No

What is your gender?

- Male
- Female
- Trans\*
- Genderqueer
- Gender-nonconforming
- Different identity
- Prefer not to state

What is your race/ethnicity? Choose all that apply.

- American Indian or Alaska Native
- Asian
- Black or African American
- Hispanic or Latino
- Native Hawaiian or Other Pacific Islander
- White
- Prefer not to state

Are you a first-generation college student?

- Yes
- No

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