

post-lesson survey and discussion questions

1. Science provides a complete description of the natural world.

Strongly Agree Agree Undecided Disagree Strongly Disagree

2. Scientists construct models which lead to theories that explain natural phenomena.

Strongly Agree Agree Undecided Disagree Strongly Disagree

3. Once established through observation and experimentation, scientific theories remain unchanged.

Strongly Agree Agree Undecided Disagree Strongly Disagree

4. Scientific theories generally explain how things occur in nature.

Strongly Agree Agree Undecided Disagree Strongly Disagree

5. Scientific theories generally explain why things occur in nature.

Strongly Agree Agree Undecided Disagree Strongly Disagree

6. Scientific experiments suggest that light is a ray of tiny particles.

Strongly Agree Agree Undecided Disagree Strongly Disagree

7. Scientific experiments suggest that light is a wave.

Strongly Agree Agree Undecided Disagree Strongly Disagree

8. There are mysteries in science.

Strongly Agree Agree Undecided Disagree Strongly Disagree

9. Scientific theories often conflict with Catholic teaching.

Strongly Agree Agree Undecided Disagree Strongly Disagree

Discussion Questions

1. Describe one observation or experiment that led scientists to believe that light is a ray of tiny fast-moving particles.
2. Describe one observation or experiment that led scientists to believe that light is a wave.
3. Explain how Einstein interpreted the results of the photoelectric effect experiment.
4. Reflecting on our journey through the various scientific descriptions of light, can you make any connections to theology?