**ANSWER KEY**

# Choosing a Topic & Defining a Research Question (Video)

Check your knowledge about this topic by answering these questions.

### 1. What should be your first step when choosing a research topic?
13 points

- ☐ Ask your friends or parents for ideas for your topic

- ☐ Choose the first topic that you think of

- ✓ Brainstorm ideas that are interesting to you and that are related to your assignment

- ☐ Do a Google search

### 2. What are subtopics?
13 points

- ✓ Smaller ideas that connect to the big ideas

- ☐ Big ideas that connect to the smaller ideas

- ☐ Some of the other topics you were considering

- ☐ Topics about submarines

### 3. What does each letter in a KWL chart stand for?
13 points

- ☐ Knowledge, When, Learn

- ☐ Know, When, List

- ☐ Knowledge, Wonder/Want to Know, List

- ✓ Know, Wonder/Want to Know, Learn

### 4. These are statements about open and closed questions. Which statement is NOT correct?.
13 points

- ☐ Closed questions are basic and often begin with who, what, where, or when.

- ✓ Closed questions are more involved and require more research.

- ☐ Open questions are complex and often begin with why.

- ☐ Open questions have more than one answer and may lead to more questions.

5. Which of the following is an example of an open question?

13 points

- ☐ How large is a blue whale?

- ☐ What are the different types of whales?

- ✓ Why are whales important to ocean ecosystems?

- ☐ Do whales communicate?

6. An essential question should be an open question. True or false?
9 points

- ✓ True

- ☐ False

7. These are statements about essential questions. Which statement is NOT correct?
13 points

- ✓ An essential question is usually easy to answer.

- ☐ An essential question is an open ended question.

- ☐ The answers to an essential question should come from many sources.

- ☐ An essential question is the focus of your research.

8. Which of these is the BEST choice for an essential question for a research paper about life on planets?
13 points

- ☐ Which planets do we know have life on them?

- ✓ What factors affect a planet's ability to sustain life?

- ☐ Why would being the closest or farthest planet from the sun affect the ability to sustain life?

- ☐ Why is there no life on the moon?