

Student's Name _____

THINKING WITH SCIENCE

Observation Quiz

Lesson 1, Focus 2 (Eggs C and D)

1. The reason for switching the eggs between Liquids C and D is:
 - A. to find out which egg is more dense.
 - B. to find out whether the liquids are the same.
 - C. to find out which liquid has salt in it.
 - D. to find out which liquid has water in it.

2. If both eggs sink in Liquid C, but float in Liquid D, what does that prove?
 - A. the liquids are different.
 - B. the eggs are the same.
 - C. both of the above.
 - D. neither of the above.

3. Why don't the following two questions and their answers cause a change in the conclusion?
 - X. Is there salt in Liquid C? (Yes)
 - Y. Is there salt in Liquid D? (Yes)
 - A. conclusions don't mention differences.
 - B. they are both conclusions.
 - C. conclusions don't mention similarities.
 - D. neither one is a conclusion.

4. What does the word "refute" mean?
 - A. to prove.
 - B. to prove false.
 - C. to prove true.
 - D. none of the above.

5. What does a "good" conclusion always tell the reader?
 - A. that it is true beyond all doubt.
 - B. that it is grammatically correct.
 - C. how to set up the focus.
 - D. the result of the experiment

Quiz on Lesson 1, Focus 2, continued.

6. Why did ancient people travel long distances to get salt?

- A. it is salty.
- B. it makes food taste better.
- C. it is valuable.
- D. it dissolves in water.

7. Why can't a person sink in the Great Salt Lake?

- A. people are less dense than the water there.
- B. the water there contains a large amount of salt.
- C. the lake water is more dense than people.
- D. all of the above.

Students's Name ANSWER Key

OBSERVATION QUIZ FOR "THINKING WITH SCIENCE"

Quiz for Lesson 1, Focus 2

Quiz Number _____

1. A ☒ B C D E
2. ☒ A B C D E
3. A B ☒ C D E
4. A ☒ B C D E
5. A B ☒ C D E
6. A ☒ B C D E
7. A B C ☒ D E
8. A B C D E
9. A B C D E
10. A B C D E
11. A B C D E
12. A B C D E
13. A B C D E
14. A B C D E
15. A B C D E
16. A B C D E
17. A B C D E
18. A B C D E
19. A B C D E
20. A B C D E