

Student's Name _____

THINKING WITH SCIENCE

Observation Quiz

Lesson 1, Focus 1 (Eggs A and B)

1. How many lessons are in the Thinking With Science program?
A. 10 B. 15 C. 20 D. 25
2. Where is a universal law of science true?
A. On other planets.
B. In other solar systems.
C. In other galaxies.
D. All of the above.
3. Thinking skills involve what?
A. Analyzing information.
B. Gathering data.
C. Memorizing information.
D. Forming hypotheses.
4. What is the meaning of the word "focus" in Latin?
A. Data B. Point C. Conclusion D. Analysis
5. A complete answer to the problem question is called:
A. a focus B. a hypothesis C. data D. a conclusion
6. What does the word "data" mean in Latin?
A. word B. information C. sentence D. more
7. A data question should not begin with the word:
A. is B. why C. does D. are
8. What is the control question for the question "Does Liquid A contain any water?"?
A. Does Liquid A contain only water?
B. Does Liquid A contain any salt?
C. Does Liquid B contain any salt?
D. Does Liquid B contain any water?
9. A valid conclusion is not _____ by the data.
A. proved. B. refuted C. supported D. improved

Quiz on Focus 1, Lesson 1, continued.

10. Conclusions always mention _____ between the two groups in the experiment.
- A. words B. suggestions C. differences D. agreements
11. Switching the eggs calls for two _____.
- A. data.
B. experimentation questions.
C. focus questions.
D. conclusions.
12. An experimentation question always begins with the word _____.
- A. if B. does C. how D. are
13. What do the following two questions and their answers prove?
- X. Will egg A float in liquid B? (Yes)
Y. Will egg B sink in Liquid A? (Yes)
- A. The result is caused by salt.
B. The result is caused by the liquids.
C. The result is caused by the eggs.
D. The result has nothing to do with the liquids.
14. What does the following diagram mean? LESS DENSE
MORE DENSE
- A. Things that are more dense than a liquid are heavy.
B. Things that are more dense than a liquid sink in it.
C. Things are either more dense or less dense than a liquid.
D. Things that are more dense than water don't float in any liquid.
15. A pint bottle full of olive oil will do what in water?
- A. float. B. sink. C. turn solid D. weigh more than the water.
16. If mercury is twenty times as dense as water, how much will a pint of mercury weigh?
- A. 2 pounds.
B. 10 pounds.
C. 20 pounds.
D. 100 pounds.
17. Things float better in liquids that are more _____.
- A. thick.
B. pure.
C. thin.
D. dense.

Students's Name ANSWER Key

OBSERVATION QUIZ FOR "THINKING WITH SCIENCE"

Quiz for Lesson 1 Focus 1

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