Student's Name _____

THINKING WITH SCIENCE
Observation Quiz
Lesson 2 (Eggs E and F)

1. To find out whether the result is caused by a difference in the eggs or the liquids, we:
   A. add salt to Liquid E.
   B. switch the eggs between Liquid E and Liquid F.
   C. weigh the eggs.
   D. taste the liquids.

2. If the first experimentation question reads, "If you put Egg E into Liquid F, will it float?", the second experimentation question would:
   A. reverse the letters and substitute the word "sink" for "float".
   B. reverse the letters in the first question.
   C. ask if Egg E is less dense.
   D. ask if Egg F is more dense.

3. If the following questions have been asked about E:
   "Does E contain any water?" (Yes)
   "Does E contain any salt?" (Yes)
   " Does E contain any sugar? (Yes)

   Then, the next question to ask about E is, "Does E contain _____ water, salt, and sugar?"
   A. more
   B. only
   C. less
   D. much

4. What is the control question for, "Does E contain any sugar?"
   A. Does E contain only sugar?
   B. Does F contain any sugar?
   C. If you put more sugar in E, would the eggs float?
   D. How much sugar is in E?

5. In this focus, Liquid E contained more salt, and F contained more:
   A. sugar
   B. water
   C. of an unknown substance.
   D. None of the above.

Quiz on Lessons 2, continued.

6. Suppose that the following question were asked, and the following answer given:
"If you removed all of the salt from F, would the eggs still float in it?" (No)

This question and answer prove that:

A. the salt has something to do with the eggs floating.
B. the salt has nothing to do with the eggs floating.
C. the sugar must be making the eggs float.
D. the sugar has nothing to do with the eggs floating.

7. The eggs float better in Liquid F because it is:

A. denser.
B. saltier.
C. heavier.
D. thicker.

8. Liquid F contains a greater - - - - - of salt and sugar.

A. amount.
B. bulk
C. weight.
D. total

9. Why might this experiment not work if you tried it at home?

A. your salt might be different.
B. not all eggs have the same density.
C. not all tablespoon measurers are the same size.
D. your sugar might be different.

Students's Name ANSWER Key

OBSERVATION QUIZ FOR "THINKING WITH SCIENCE"

Quiz for Lesson 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