

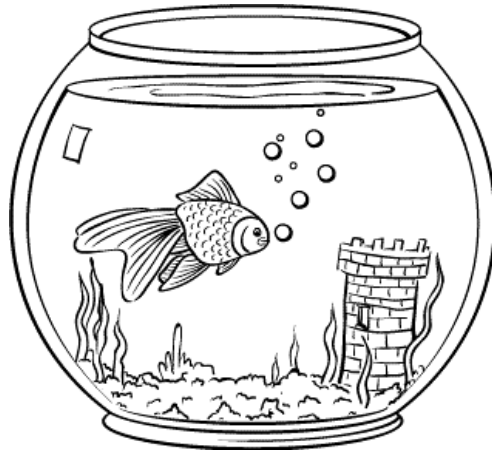
**McGraw-Hill Science © 2000, Texas Edition
TAKS Practice Test**

**Grade 3, Chapter 5
Matter**

Name _____

Date _____

Use the illustration and your knowledge of science to answer Questions 1 to 4.



- 1 What states of matter can be observed in the goldfish bowl shown here?
- Solid and liquid only
 - Liquid and gas only
 - Gas only
 - Solid, liquid, and gas
- 2 The contents of the goldfish bowl is an example of a(an) _____.
- mixture
 - solution
 - compound
 - element
- 3 What if the water, fish, and toy castle were moved to a bowl that had a boxy shape? Which of these, if any, would change volume?
- Water only
 - Fish only
 - Toy castle only
 - None of them would change volume.
- 4 What if the water, fish, and toy castle were moved to a bowl that had a boxy shape? Which of these, if any, would change shape?
- Water only
 - Fish only
 - Toy castle only
 - None of them would change shape.

Use the illustration and your knowledge of science to answer Questions 5 to 7.



Magnet

Paper clips

- 5 The magnet could be used to find the paper clips that are _____.
- made of wood or cardboard
 - made of plastic
 - made of metal
 - silver or black
- 6 One of the paper clips is made of many kinds of metals. The metals are spread evenly throughout the paper clip.
- This mixture of metals is an example of a (an) _____.
- liquid
 - solution
 - element
 - magnet
- 7 What if you hooked all of the paper clips together, forming a chain? Have you created a new substance?
- Yes, the paper clips formed a new compound.
 - Yes, the paper clips formed a new solution.
 - Yes, the paper clips changed their state of matter.
 - No, you did not create a new substance.

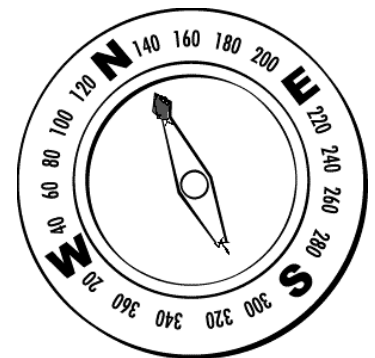
Use the illustration and your knowledge of science to answer Questions 8 to 10.

- 8 What happens to salt when it mixes with water?
- The salt changes into a new substance.
 - The salt moves to the bottom layer of water.
 - The salt moves to the top layer of water.
 - The salt spreads evenly in the water, forming a solution.



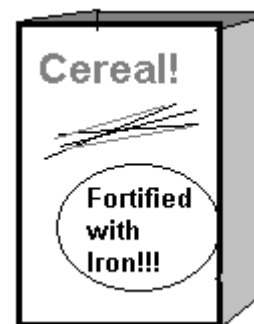
- 9 Could a mixture of salt and water be separated? If so, how?
- Yes. Pass the mixture through a filter.
 - Yes. Boil away the water or let it evaporate.
 - Yes. Add sugar to the mixture.
 - No. The mixture cannot be separated.
- 10 How could you make the mixture taste less salty?
- Pour half of the mixture to another container.
 - Pick out any salt grains you see in the mixture.
 - Add more water to the mixture.
 - Boil the mixture.

- 11 What can a compass tell you?
- The air temperature
 - Whether an object contains plastic or wood
 - Whether an object is an element or compound
 - Which way is north



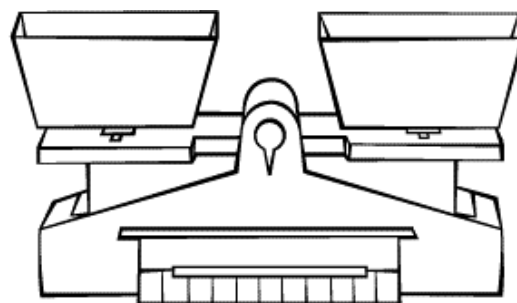
12 On a box of breakfast cereal, a label reads “Fortified with iron!”
What does this mean?

- The cereal contains a small amount of iron.
- Extra iron has been added to the cereal.
- All of the iron has been taken out of the cereal.
- Iron was used to make the cereal.



Use the information below and your knowledge of science to answer Questions 13 and 14.

A student is studying the properties of a marble. He places the marble in one pan of the balance. He places paper clips in the other.



Balance

13 What property of a marble and paper clips does the balance compare?

- Mass
- Volume
- Density
- Physical State



Marble



Paper clips

14 The student places the marble in the left pan of the balance. How should the paper clips be added to balance the marble?

- One at a time to the left pan
- One at a time to the right pan
- One at a time to either pan
- Many at a time, to either pan

ANSWER KEY and CORRELATIONS:

Question	Answer	TAKS	McGraw-Hill Science Grade 3 textbook
1	Solid, liquid, and gas	5.7A	p. 142
2	mixture	5.7B	p. 147
3	None of them would change volume.	5.7A	p. 142
4	Water only	5.7A	p. 142
5	made of metal	5.7A	p. 153
6	solution	5.7C	p. 148
7	No, you did not create a new substance.	5.7B	p. 144
8	The salt spreads evenly in the water, forming a solution.	5.7C	p. 148
9	Yes. Boil away the water or let it evaporate.	5.7C	p. 148
10	Add more water to the mixture.	5.7C	p. 148
11	Which way is north	5.4A	p. 154
12	Extra iron has been added to the cereal.	3.3B	p. 155
13	Mass	5.4A	p. 134
14	One at a time to the right pan	5.4A	p. 134