

5.2A; 5.5A (M)

- Carl drew the following chart to show the results of an experiment he did in science class.

What items are attracted to a magnet?

Item	Yes	No
Block of wood		
Paper clip		
Nail		
Rubber band		
Soft drink can		
Scissors		
Ballpoint pen		

Which items included in this experiment did Carl most likely check “Yes” to on the chart?

Select **TWO** correct answers.

- Block of wood
- Paper clip
- Rubber band
- Soft drink can
- Scissors

5.5A (L)

- When compared to other states of matter, which state of matter tends to have the lowest density?

- A Gas
- B Ice
- C Liquid
- D Solid

5.2D; 5.5A (H)

- Students began a science experiment by measuring the volume of water in a cooking pot. The teacher then placed the cooking pot on a hot plate and brought the water to a boil.

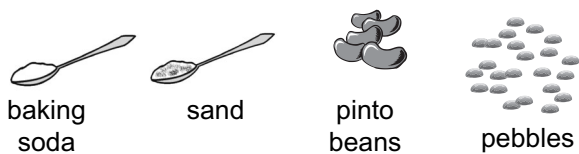


What did the students most likely discover? Provide a description of what happened with your answer.

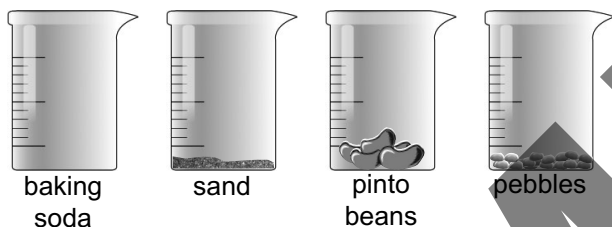
Read the information and look at the picture carefully. Then, record your answer in the box provided.

5.2D; 5.5C (M)

1. Grant selected the materials shown below for a science experiment.



Grant placed each material in a separate beaker with two cups of water and stirred. He set the beakers aside for one hour.



Which material most likely dissolved in the water after one hour?

- A Baking soda
- B Pebbles
- C Pinto beans
- D Sand

3.5C (L)

2. Mrs. Evans filled an ice-cube tray with water and placed the tray in a freezer. At what temperature will the water become ice?

- A 0 °C
- B 20 °C
- C 50 °C
- D 100 °C

5.4A; 5.5B (H)

3. Students collected a water sample from a nearby stream and poured it into a jar. The water sample contained sand, rocks, and small plants, as shown below.



Identify whether the water sample would be considered a mixture or a solution, and explain how the students should separate the water from the other materials.

Read the information and look at the picture carefully. Then, record your answer in the box provided.

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3.8C (L)

1. Which of the following is **NOT** part of the solar system?
- A Asteroids
 - B Comets
 - C Galaxies
 - D Planets

5.8C (L)

2. How many times does Earth revolve around the Sun in one year?
- A 1
 - B 7
 - C 24
 - D 365

5.8D (L)

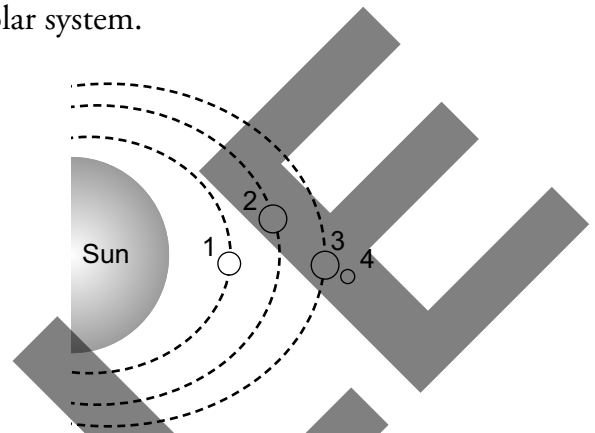
3. Earth and the Moon both have gravity. Unlike Earth, however, the Moon has—
- A no rotation
 - B a liquid core
 - C little atmosphere
 - D no crust or mantle

3.8D; 5.3A (H)

4. Which statement about the planets in the solar system is correct?
- A All the planets in the solar system have moons.
 - B All the planets in the solar system revolve around the Sun.
 - C All the planets in the solar system are about the same size.
 - D All the planets in the solar system revolve at the same speed.

3.8D; 5.2D; 5.8D (M)

5. The diagram below shows part of the solar system.



Complete the table by writing the correct answer from the options below in each box. Not all answers will be used.

Earth Moon
Mars Venus
Mercury

1. _____	2. _____
3. _____	4. _____

3.8D (L)

6. Earth orbits the Sun between which two other planets?

Select **TWO** correct answers.

- Jupiter
- Mars
- Mercury
- Saturn
- Venus

The paragraph below tells about rabbits in New Zealand. Use information from the paragraph to answer questions 1–2.

Too Many Rabbits

Rabbits first arrived in New Zealand in the 1830s. They were taken to New Zealand so that the people there could hunt them. However, by the 1870s, rabbits had taken over parts of New Zealand. There were thousands of rabbits where there had been none. The rabbits ate the grass down to the ground. In some places, the grass never grew back. Today, very few plants grow in those areas.

5.9C (H)

1. This question has two parts. First, answer Part A. Then, answer Part B.

Part A

Based on the paragraph, which statement **BEST** explains how the rabbits caused a problem in New Zealand?

- A The rabbits changed the climate of New Zealand.
- B The rabbits changed the weather in New Zealand.
- C The rabbits changed the landforms in New Zealand.
- D The rabbits changed the ecosystem in New Zealand.

Part B

Which statement **BEST** supports the answer to Part A?

- A The food web did not include animals that ate rabbits.
- B Too many people fed the rabbits and took care of them.
- C The rabbits moved to different areas of the country to find more food.
- D The temperature dropped to adapt to the growing population of rabbits.

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