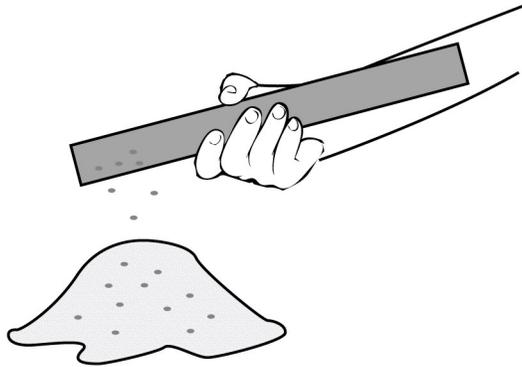


CISD Grade 3 Science Unit 01

Some questions (c) 2012 by CSCOPE.

- 1** Liquids and gases take the shape of their containers. Which of the following will take the shape of its container?
- A** a crayon in a backpack
 - B** a bike wheel in a box
 - C** a cookie in a jar
 - D** milk in a carton
- 2** There are three buckets each containing different materials. The answer choices below list the contents of each of the buckets. Which is a mixture?
- F** bucket #1: gravel, sand, salt
 - G** bucket #2: paper clips, tacks, nails
 - H** bucket #3: rice, peas, beans
 - J** All are mixtures.
- 3** Mrs. Parson's class was asked to bring items from home to see which would sink or float. Which is a list of the items that all sink?
- A** metal spoon, steel nail, glass marble
 - B** plastic spoon, plastic duck, steel nail
 - C** glass marble, plastic straw, metal spoon
 - D** steel nail, Styrofoam cup, glass marble

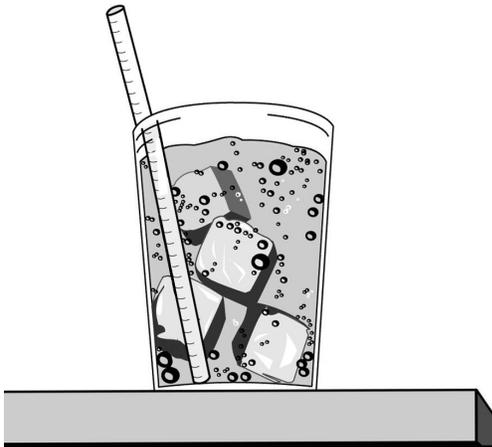
- 4 To show you that it is possible to separate mixtures, your teacher gave you a mixture of sand and iron filings. Then she had you wave a piece of metal over the mixture, and the iron filings jumped onto the piece of metal from the mixture.



From this, you can say that the metal filings have what physical property?

- F smell
- G magnetism
- H ability to float
- J ability to sink

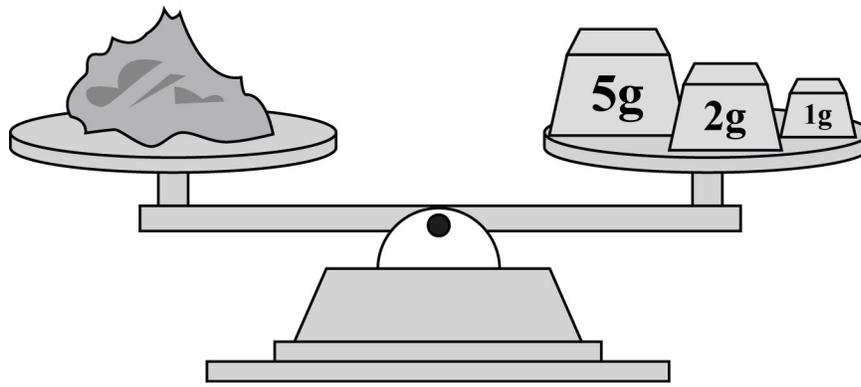
5



What part of the picture above shows something that is a gas?

- A straw
- B ice cubes
- C bubbles
- D glass

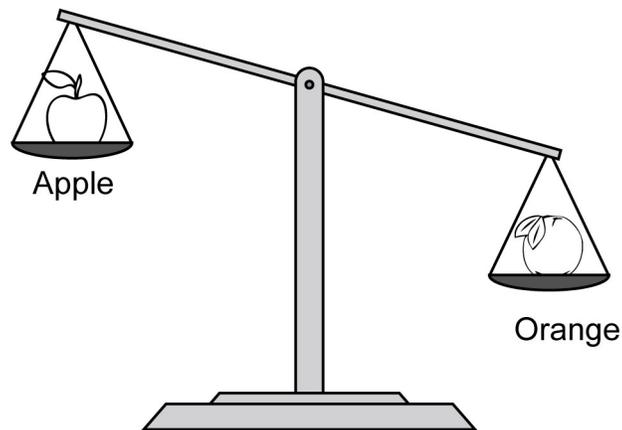
6



The balance scale shown above is measuring the mass of a rock. Which of the following is the mass?

- F** 5 grams
- G** 7 grams
- H** 8 grams
- J** 9 grams

7



What statement BEST describes the drawing above?

- A** The apple is heavier than the orange.
- B** The orange has less mass than the apple.
- C** The orange is lighter than the apple.
- D** The apple has less mass than the orange.

8 There are three states of matter.

- Name the state of matter that has a fixed shape and size.

- Give an example of something in the state of matter you have named.

Megan's little brother did not look well after his third birthday party. Their mother took his temperature, and it was 101°F so she had to give him liquid medicine. She had to use an eye dropper to get the right dosage so she didn't give him too much medicine.

- 9** Which of these was collected by observing?
- A** He is three.
 - B** He does not look well.
 - C** She uses an eye dropper for the right dosage.
 - D** He has a 101 °F temperature.
- 10** Which of the statements in the previous question are examples of measuring?

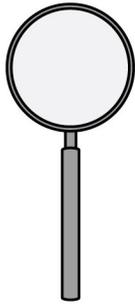
- 11** Edgardo is conducting an investigation to figure out the melting and boiling points of seven unknown substances. All of the substances have similar color, texture, and odor. Edgardo measured the melting and boiling points of the substances one by one. He recorded his results in the chart below.

Unknown Substance	Melting Point	Boiling Point
a	40°C	65°C
b	47°C	71°C
c	47°C	71°C
d	48°C	63°C
e	40°C	65°C
f	43°C	68°C
g	40°C	65°C

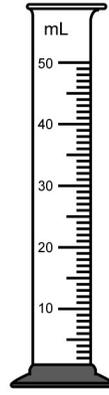
Based on the data from the chart, you could reasonably conclude that _____.

- A** substances a and f are the same substance
 - B** all of the substances have different melting and boiling points
 - C** substances a, e, and g have the same melting and boiling points
 - D** substances a, c, and g are the same substance
- 12** If you handled the object, what safety equipment should you use?

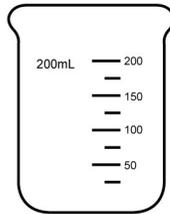
-
- 13** What should you do to be sure your conclusion is correct? Circle all that apply.
- a. Repeat the measurement.
 - b. Use another scale.
 - c. Switch sides with the containers and measure again.
 - d. Check that the surface the scale sits on is level.



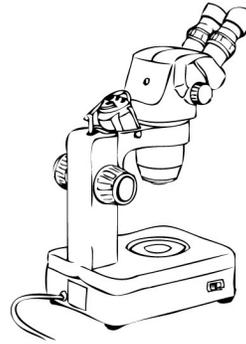
Hand Lens



Graduated Cylinder



Beaker



Microscope

-
- 14** Looking at all the tools pictured on this page, circle all of the ones you can use to see the details of texture.
- 15** Looking at all the tools pictured on this page, put a square around all of the ones you can use to measure an amount of liquid.