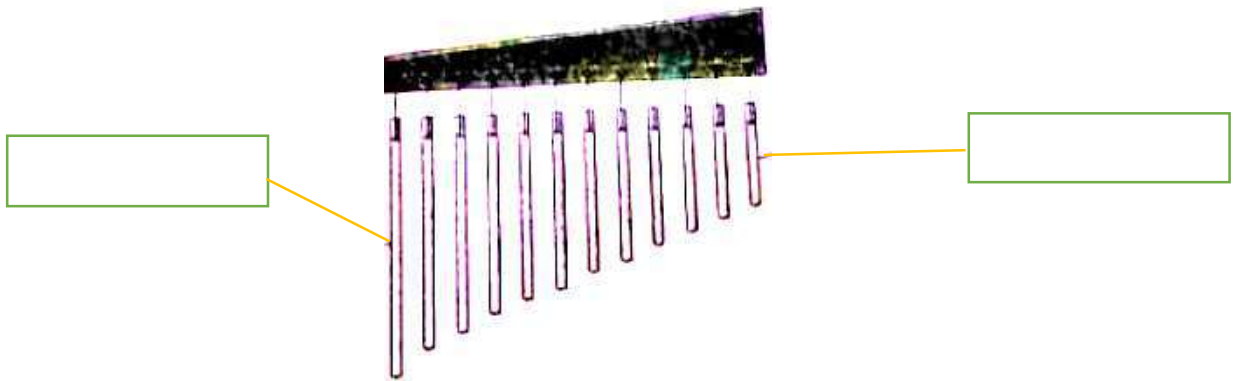


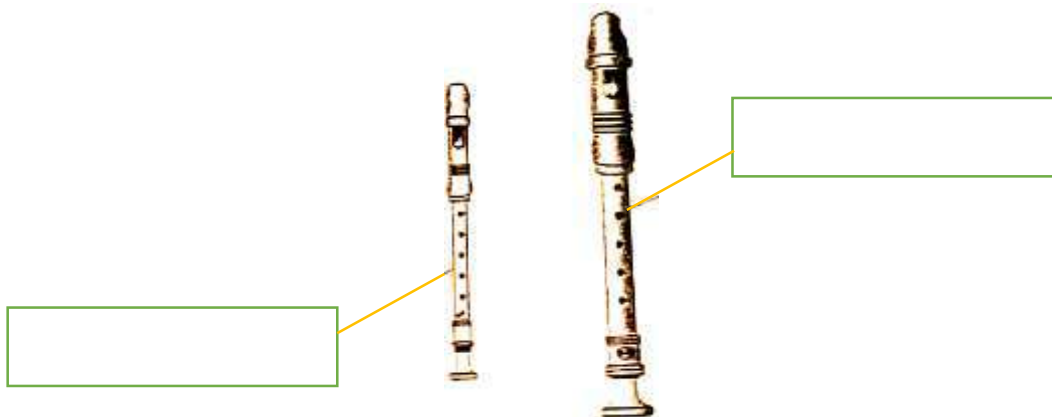
Q1. All the musical instruments have different pitches.

Write low or high in the boxes to show the pitch of the given instruments.

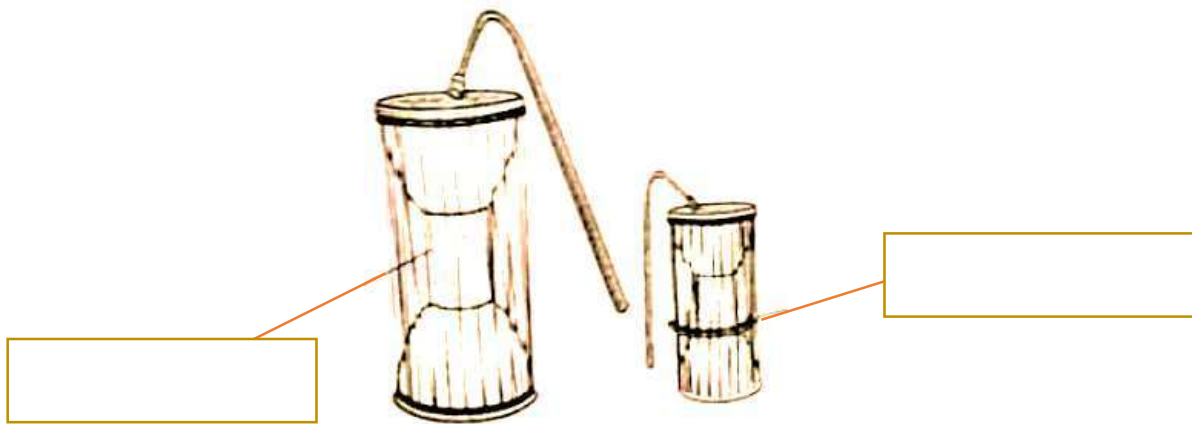
a) Chimes



b) Flute



c) Drums



Q2. Observe the picture below and list three features which help this animal to adapt in its environment.

1. _____
2. _____
3. _____

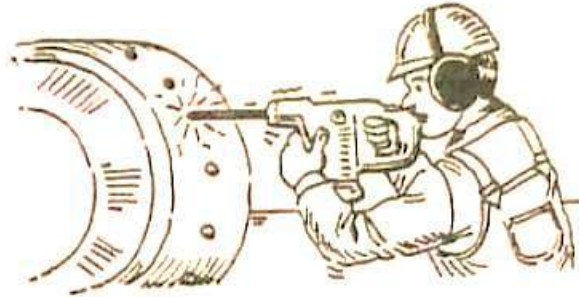


a) What is the habitat of this animal? Circle the correct option.

1. Forest
2. Arctic

b) What will happen if a polar bear does not have fur?

Q3. There is a lot of noise at the construction site. Look at the picture of a constructor wearing ear protectors. Answer the following questions.



a) What do you think these ear protectors are made up of?

b) Explain how the ear protectors work by reducing the sound? Tick the correct option.

By blocking the sound

By transmission of sound

c) We cannot stop the loud sounds from reaching our ears by wearing the ear protectors. Tick the correct option.

True

False

Q4. Explain how ear protectors reduce the volume of a sound?

Q5. There are four musical instruments in the violin family.



violin viola cello double bass

Q6. The strings of these instruments vibrate to produce sound.

a) Which of these musical instruments make the highest pitch sound?

b) Explain your answer.

c) Which of these musical instruments make the lowest pitch sound?

d) Explain your answer.

Q7. Read the statement. Tick whether it's true or false.

An investigation includes observation and comparison.

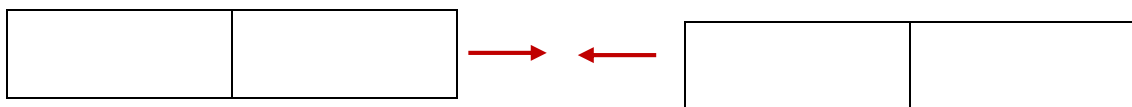
True

False



Q8. Draw the poles **N** or **S** on the magnets to show the 'repel' and 'attract' forces.

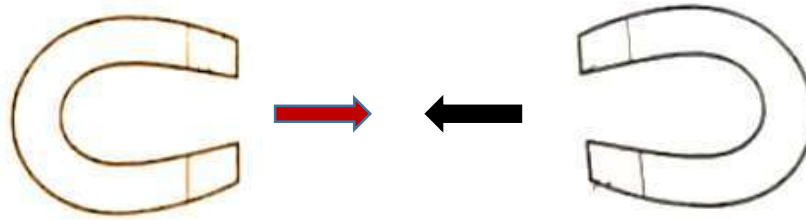
1. Attract



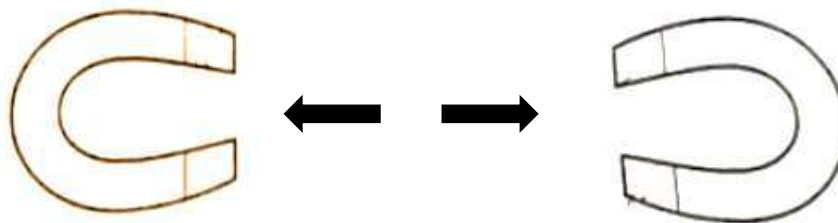
2. Repel



3. Attract



4. Repel



Q9. Lily blows across the top of a test tube to make a sound.



Lily then puts water in the test tube. She blows across the top of a test tube and makes a new sound.

What happens to the sound when there is water in the test tube?

Tick the correct answer.

The new sound is a lower pitch.

The new sound is a higher pitch.

The new sound is the same pitch.

Q10. Can you identify different students of the science class with the help of a key? Here is the key for the students. Write the correct letter in the given space.



Q11. Max boils the water in a pan in his kitchen.



Here is a picture of one of the windows in his kitchen.

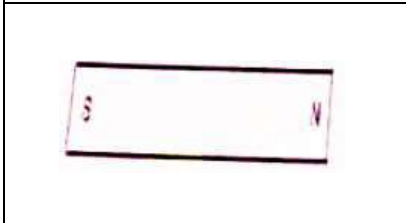
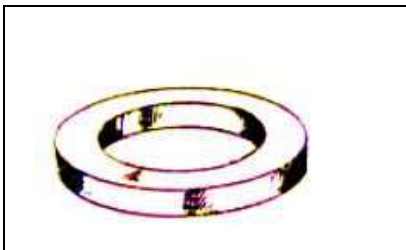


Complete the sentences about the pictures.

a) When the water boils, some of its turns into _____.

b) When it reaches the cold window, it turns back into _____.

Q12. Below are shown the pictures of different types of magnets. Draw a line to match the name of the type of magnet.



a. horseshoe magnet

b. ring shape magnet

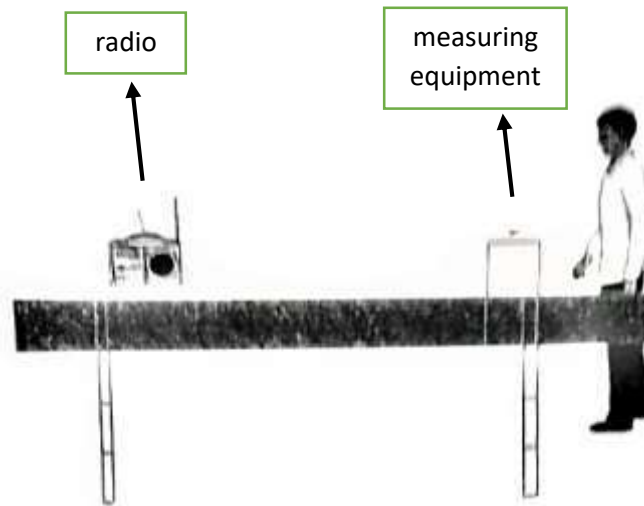
c. bar magnet

Q13. The mixture of aluminum and iron are in a junk yard.

How can we separate the iron from aluminum?

a) Give one example of uses of magnets in everyday life.

Q14. Carlos has a radio on a table.



Carlos measures the distance from the measuring equipment to the radio.

Carlos measures the different volume range of the sound from the radio.

a) How can he make it a fair test?

Circle the best **three** answers.

By keeping the radio at the same distance every time

By keeping the radio at the different distance every time

By keeping the measuring equipment same every time

By keeping the source of sound same every time

Q15. What is difference between evaporation and condensation?

Evaporation	Condensation

Q16. Name two metals, a magnet can attract?







1. _____

2. _____

Q17. Draw a circuit with 1 battery, 2 lamps and a switch.

Q18. Identify the following pictures and write in the correct column.

Use the term magnetic or non-magnetic.

Objects	Magnetic /non-magnetic
a. steel nails 	
b. pencil 	
c. steel paper clip 	
d. iron key 	
e. wooden desk 	
f. steel safety pin 	

Q19. Consider the following problems and then write any two reasons which are causing a break in the circuit.

1. Ayesha's fan won't work because:

a. _____

b. _____



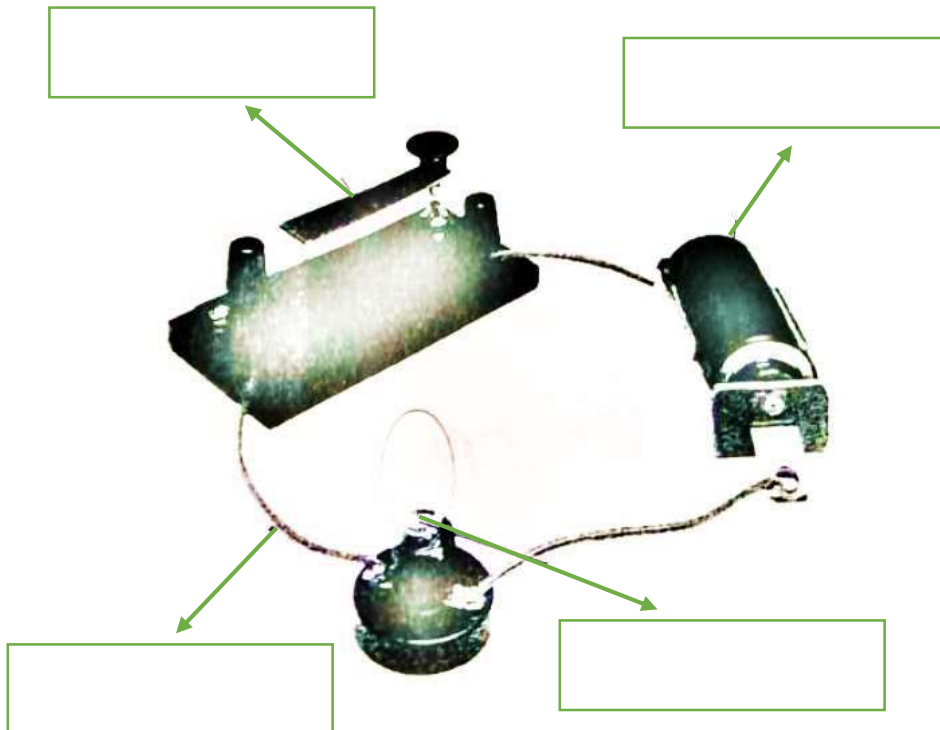
2. Ahmed's table lamp isn't working because:

a. _____

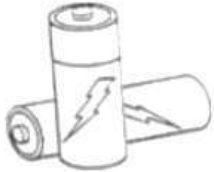



b. _____



Q20. Reem wants to learn about components of circuits. Help her in labeling the diagram.



Q21. Majid wants to build a circuit but he needs your help to understand the functions of the given circuit's components. Help him to complete the following table.

Component	Name	Function in a circuit
		
		
		
		

Q22. Complete the following sentences using the words given in the box.

adaptations	non-living	identify	animals	characteristics
-------------	------------	----------	---------	-----------------

1. Scientists divide things into two groups, living and _____ things.
2. Living things includes all the plants and _____ in the world.
3. Scientists divide things into smaller groups using their _____.
4. The differences between animals in a group can be used to _____ them.
5. Animals have _____ that make them suited to different conditions.