

12 Safia makes a musical instrument.

She pulls a rubber balloon over the top of a cup.



Safia pinches the rubber balloon with her fingers and then lets the rubber go.

A sound is made.

(a) Why does the rubber balloon make a sound?

[1]

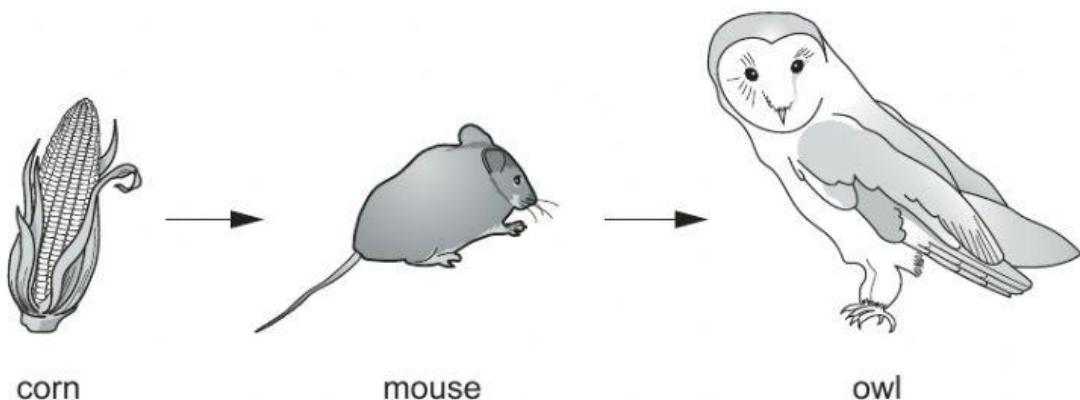
(b) Describe how Safia can increase the **volume** of the sound.

[1]

(c) Describe how Safia can increase the **pitch** of the sound.

[1]

13 The diagram shows a feeding relationship between three living organisms.



(a) What is the name of this type of diagram?

[1]

(b) Describe the feeding relationship between these **three** organisms.

[1]

(c) Corn is the producer in this relationship.

Explain why.

[1]

(d) Owls are predators.



Name **one** feature owls have which makes them good predators.

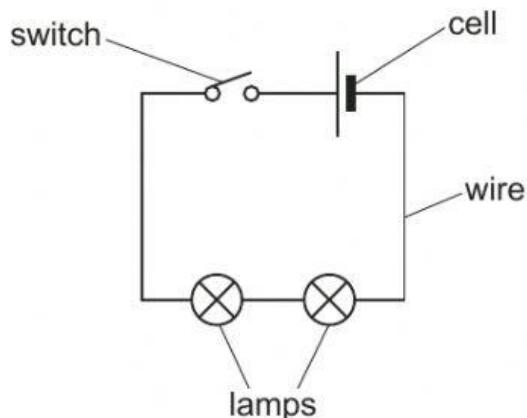
Explain how this feature is useful.

feature .....

explanation .....

[2]

14 Mia connects an electrical circuit.



She closes the switch.

The lamps are very bright.

Mia adds two more lamps to the electrical circuit.

Describe what happens.

.....

[1]

15 The table shows some boiling points of substances.

substance	boiling point in °C
A	15
B	1095
C	100
D	0
E	444

(a) What is the meaning of the term boiling point?

.....  
.....  
.....

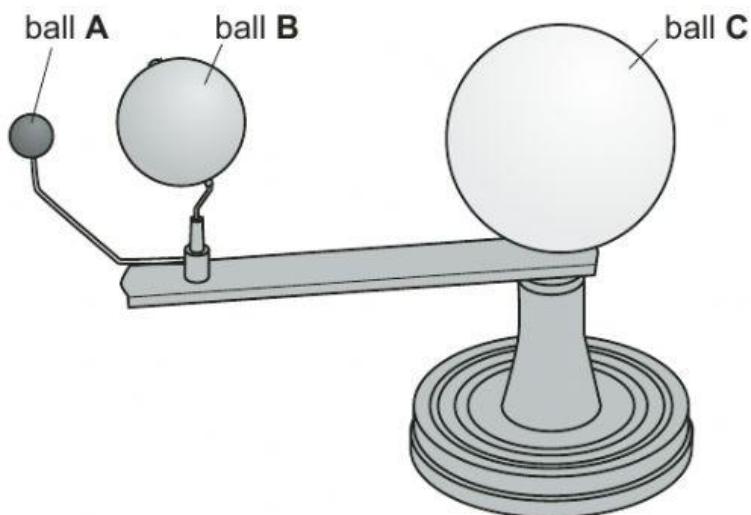
[2]

(b) Which substance could be water?

.....  
.....  
.....

[2]

16 The teacher of class 5 uses a model to show part of the solar system.



Ball **A** is the Moon.

It moves around ball **B**.

(a) Name ball **B** and ball **C**.

ball **B** .....

ball **C** .....

[1]

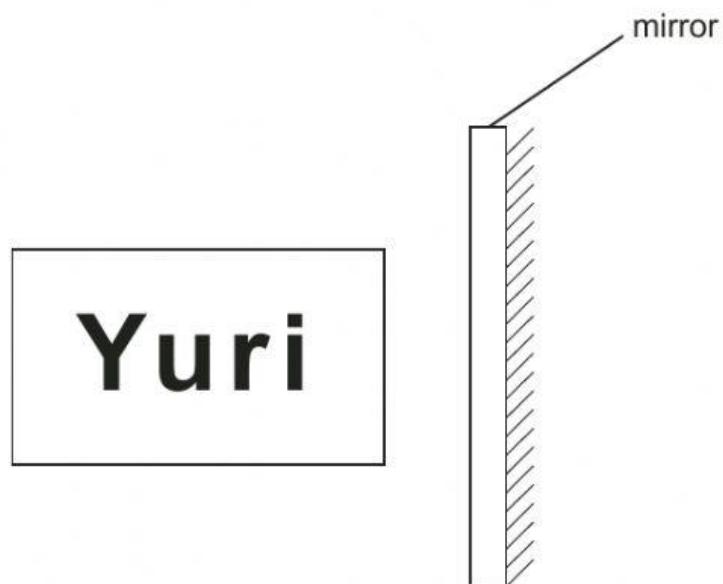
(b) Describe how the teacher moves ball **B** and ball **C**.

.....  
.....

[2]

17 Yuri draws his name on a piece of paper.

(a) He looks at his name in a mirror.



Tick (✓) the box next to the image Yuri sees in the mirror.










[1]

(b) Complete these sentences about mirrors.

Rays of light from the object are ..... by the mirror.

We can see the image because the rays of light .....  
.....

[2]

