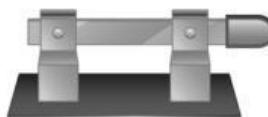
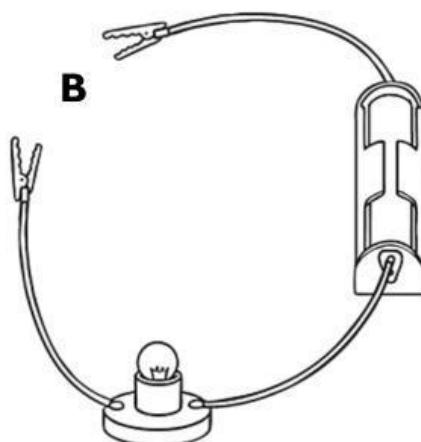


Name: _____

Class: _____

MOCK TEST 2**Time allowance: 35 minutes****Part A****1. Label the following electrical components.**

a. b. c. d.

2. a. Tick (✓) one box to complete the sentence.**A bulb will only light up if the circuit has...**a switch. a break in it. a battery (or a power source). **b. Which material will light up the bulb when placed in the circuit at B? Circle.**

plastic

copper

wood

paper

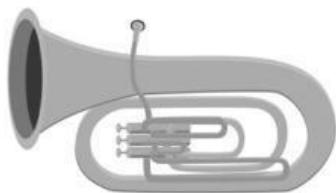
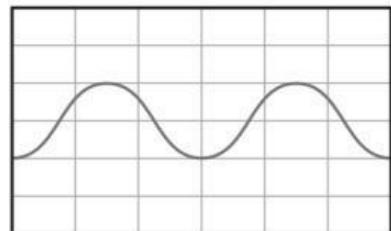
3. Fill in the missing letters. Then match each term with its description.

a. s__u__d	o	o A. How high or low a sound is
b. vo__um__	o	o B. Happen when something vibrates
c. __it__h	o	o C. The unit used to measure sound
d. de____bel	o	o D. Move quickly backward and forward
e. vib__a__e	o	o E. How loud or quiet a sound is

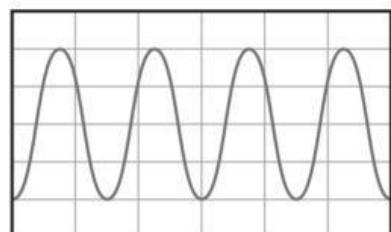
4. a. Match each musical instrument to the wave pattern it produces.



violin – makes a high-pitched sound



tuba – makes a low-pitched sound



b. Read the sentences. Tick (✓) True or False.

	True	False
a. The violin makes the air vibrate more quickly than the tuba.	<input type="checkbox"/>	<input type="checkbox"/>
b. Low-pitched sounds are always quiet.	<input type="checkbox"/>	<input type="checkbox"/>
c. The height of the waves of a sound can tell us about its pitch.	<input type="checkbox"/>	<input type="checkbox"/>

5. Look at the pictures. Write the name of the pictures in the correct column.



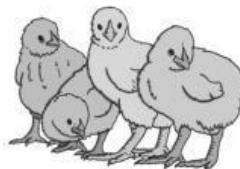
A



B



C



D

	High-pitched sounds	Low-pitched sounds
Loud sounds		
Quiet sounds		

6. Alex measures sounds around the classroom. Here are his results.

Time	Sound level
09:00	30
10:30	20
12:00	90
14:00	40
16:30	60

a. Tick (✓) the piece of equipment that Alex can use to measure the volume of sounds.

Measuring cylinder

Thermometer

Sound-level meter

Ruler

b. What unit is suitable to measure these sounds?

c. Why do you think the sound level is the highest at 12:00?

.....
.....

Part B

7. Harry blows over the top of a bottle. He can hear the sound.



a. What makes the sound in the bottle?

.....

b. What can Harry do to make a louder sound?

.....

8. Amila is playing a drum. When she hits the drum's skin, it makes a sound.



a. What causes the drum to make a sound?

.....

.....

b. Look at the wave pattern from the drum below. Draw in the right-hand box what the wave pattern will look like if the drum is played at a higher volume. (8 pts)

