

Revision

1. Explain the electro refining process of copper by using diagrams. Also mention which electrode will have impure and pure copper during this electroplating process and gain mass.
2. Do you think any dry electrolyte is capable of conducting electricity?
3. "Air particles vibrate back and forth about their mean position"
 - I. Mention the type of wave.
 - II. During the movement of air particles it forms _____ and _____ region.
4. Draw wave where
 - I. Amplitude is the same but Pitch is different.
 - II. Pitch same but Amplitude different.
5. In dry regions is it possible for any organism to have external fertilization? Explain two demerits.
6. How do hormones work in our body?
7. Draw diagram of myopic and hypermetropic eyes. And explain what problem does ciliary muscle have and how these eyes can be corrected.
8. The spring balance shows 6 N just before the block starts moving. What is the value of maximum static friction?
9. In an experiment, the reading at the start of motion is 8 N. After motion starts, it reduces to 5 N.
 - (a) Which friction is 8 N?
 - (b) Which friction is 5 N?
10. If the surface is made rougher, how will the maximum static friction change?
11. Calculate
 - a) The time taken by sound to travel 880 m in air. If the speed of sound in air is 340 m/s.
 - b) A sound wave has a frequency of 250 Hz. What is its time period?
 - C) A person shouts and hears the echo after 4 seconds.

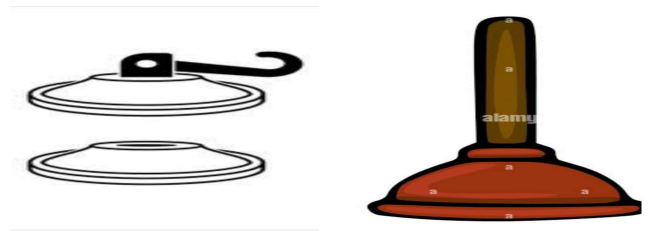
If the speed of sound is 340 m/s , how far is the wall?

d) A sound travels 1500 meters in 5 seconds. Find the speed of sound.

e) A sound travels 1020 meters. If the speed of sound is 340 m/s , how long does it take?

f) A person hears thunder 5 seconds after seeing lightning. If the speed of sound in air is 340 m/s , find how far away the lightning struck.

12. A rubber sucker does not stick to a rough surface but get stuck to the smooth surface. Justify your answer with respect to the force and pressure.



13. Why are these two vehicles having two different types of wheel.

