

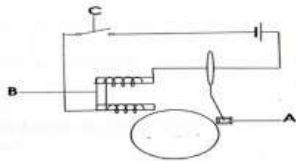
SCIENCE SET 9

SECTION A

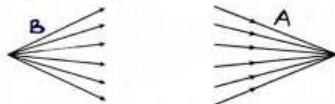
1. Identify any one part of air which is commonly used in electric bulbs.
2. What do you understand by the term fertilization?
3. When a magnet is dipped in iron filings, more iron filings are attracted to the poles of the magnet. Why is this so?
4. Point out any one health concern that is likely to arise in an area with many industries?
5. How are pepsin enzymes found in gastric juice important during food digestion?
6. Identify the force that is involved in the production of static electricity.
7. Why are school children advised not to read books in dim light?
8. State any one sign of crops damaged by caterpillars.
9. Give one way a person can increase the amount of calcium in his body.
10. Mr. Muwanguzi is a poultry farmer in Mpigi district. How can he identify birds which are sick on his farm?

SECTION B

11. During the cooking process, firewood is arranged in such a way that some gaps are left between the pieces of wood.
 - a) Why is such a practice important during the cooking process?
 - b) What form of energy is stored in wood?
 - c) Apart from firewood, mention two other forms of fuel obtained from trees.
12. The diagram below shows a simple device commonly used in schools.



- a) Name the device shown above.
 - b) Identify the parts marked A and B.
 - c) Under what principle does the above device work?
13.
 - a) Under what body system do the ears belong?
 - b) How does sound travel from one place to another?
 - c) State the function of the semicircular canals in the inner ear.
 - d) Why is it not recommended for one to use sharp objects to clean one's ear?
 14. a) Identify the type of beam shown below.



- i) A
- ii) B

- b) How can one see an object placed around corners?
- c) State any one effect of refraction of light.