



**THE LAWRENCE SCHOOL
SANAWAR
Entrance Examination for Class IX**

SCIENCE

Time: 01 hr.

Max. Marks: 100

Name (In Capital Letters) _____

Registration Number _____

Centre _____

<p>MARKS OBTAINED</p>

Note: Teacher on duty is requested to ensure that the child has written correct and complete Registration Number

GENERAL INSTRUCTIONS

- 1. All questions are compulsory*
- 2. Questions are to be answered on the question paper itself (on the space provided against each question)*

Name of the Teacher

Signature

Q1. Fill in the blanks:

(1 × 20 = 20)

- (a) The process of loosening and turning of soil is called _____.
- (b) _____ is used for controlling and destroying pests.
- (c) The process of cutting and gathering mature crops is called _____.
- (d) _____ is also called artificial silk.
- (e) Artificially made fibres are also called as _____ fibres.
- (f) Noble gases occur in nature in their _____ state.
- (g) Metals produce a ringing sound. So, metals are called _____.
- (h) Metals react with water to form metal oxides and _____.
- (i) _____ possess the characteristics of both metals and non-metals.
- (j) In _____ reaction, a more reactive metal displaces a less reactive metal from its salt solution.
- (k) _____ is the region where combustion of fuel takes place.
- (l) _____ tree is a source of anti-cancer drugs.
- (m) The act towards conservation of wildlife is called _____.
- (n) A new substance is formed in a _____ change.
- (o) _____ species are vulnerable to extinction.
- (p) The nucleus and the cytoplasm together make up the _____.
- (q) Testes are located in the _____.
- (r) The full form of IVF is _____.
- (s) The end of menstrual cycle in a human female is referred to as _____.
- (t) The time taken by a metal bob to complete one oscillation is called _____.

Q2. Give one word answers:

(1 × 20 = 20)

- (a) Technique of injecting weak or dead germs in our body to fight antigens. _____
- (b) Process of sudden heating and cooling of milk to kill germs. _____

- (c) Substances that can decay by the action of microorganisms. _____
- (d) Oxides which when dissolved in water form bases. _____
- (e) The reddish-brown coating forms on iron on exposure to moist air. _____
- (f) Compounds made of only carbon and hydrogen. _____
- (g) The slow process of conversion of dead vegetation into coal. _____
- (h) A portable apparatus that is often used to put out fire. _____
- (i) The gradual transformation of fertile land into desert. _____
- (j) Plastids with pigments other than green colour. _____
- (k) The period of transition of a child into an adult human being. _____
- (l) A push or a pull that affects a body in some way. _____
- (m) The force of attraction or repulsion between electric charges. _____
- (n) The force per unit area applied on a body. _____
- (o) The number of completed vibrations in a second. _____
- (p) This characteristic determines the loudness of a sound. _____
- (q) A sound that is not pleasing to our ear. _____
- (r) An electrode through which current enters an electrolytic cell. _____
- (s) An instrument for measuring the magnitude of an earthquake. _____
- (t) The left-right reversal in an image formed by a plane mirror. _____

Q3. Answer the following:

(2 × 25 = 50)

- (a) What is potable water?

- (b) What is smog?

(c) What is eutrophication?

(d) What are asteroids?

(e) What is constellation?

(f) What is dispersion of light?

(g) What is an electroscope?

(h) What is electroplating?

(i) What is the amplitude of an oscillating particle?

(j) What is ultrasonic range of sound?

(k) What is a manometer?

(l) What are lubricants?

(m) What are endocrine glands?

(n) What do you mean by metamorphosis?

(o) What are viviparous animals?

(p) What is a eukaryotic cell?

(q) What are endemic species?

(r) What do you mean by calorific value of a fuel?

(s) What is combustion?

(t) What is destructive distillation?

(u) What are petrochemicals?

(v) What is meant by the malleability of a metal?

(w) What is polymerization?

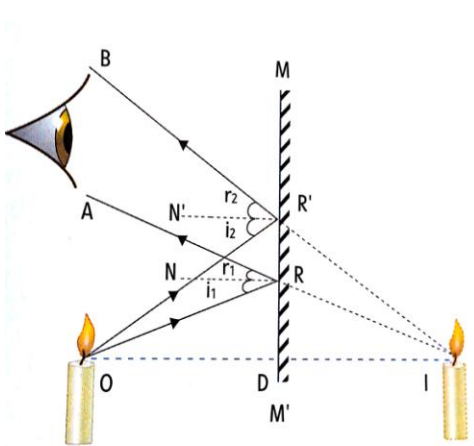
(x) What are thermosets?

(y) What is fermentation?

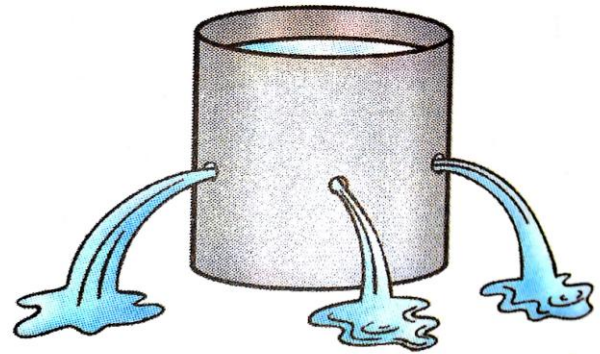
Q5. Observe the following pictures and answer the following:

(1 × 10 = 10)

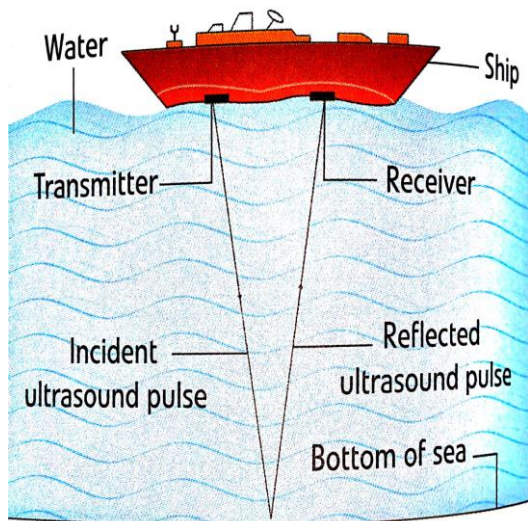
(a) Identify the phenomenon.



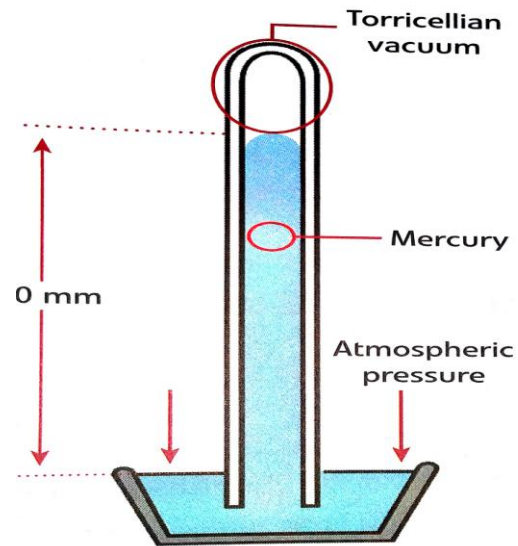
(b) Which Property of liquid is shown here?



(c) Which concept is shown here?



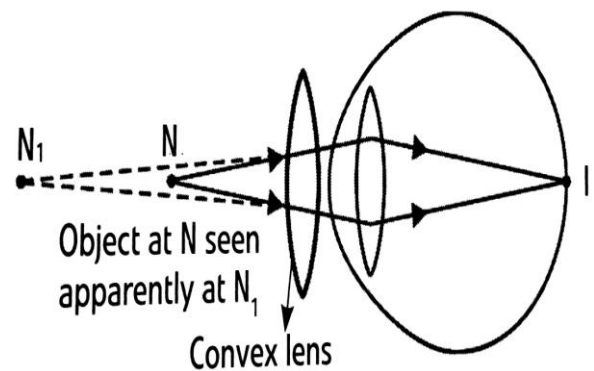
(d) Identify this device:



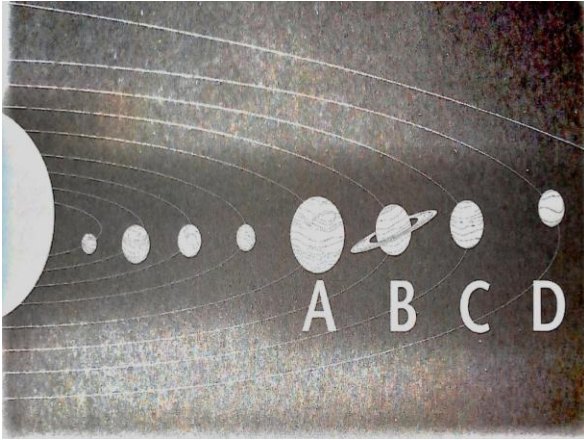
(e) Identify this simple machine:



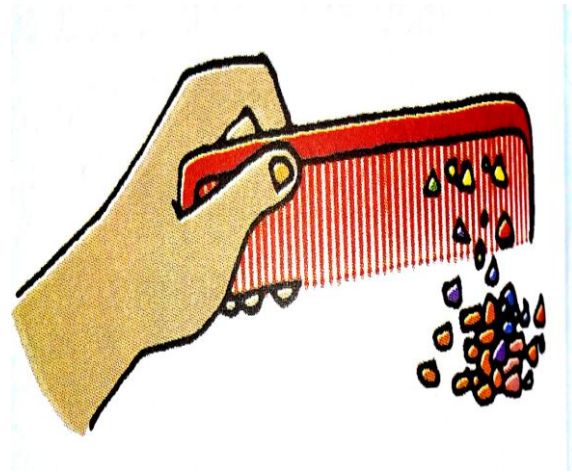
(f) Identify the type of defect in vision:



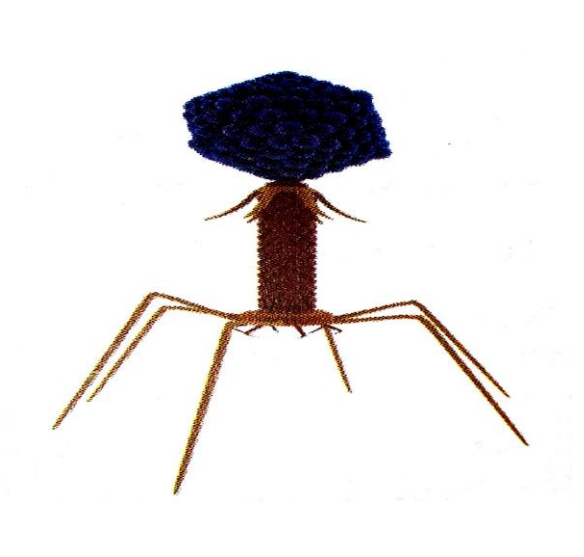
(g) Name the planet C of the Solar system.



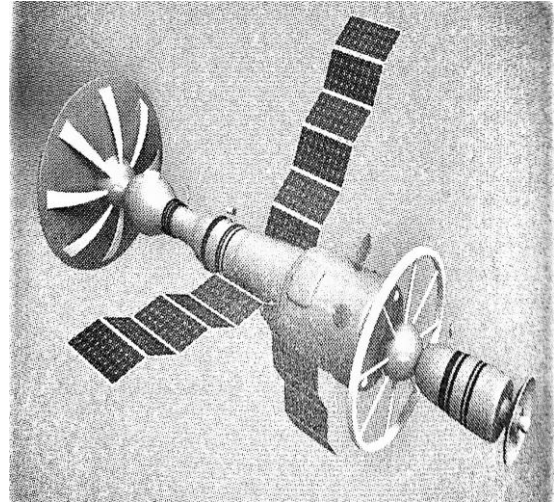
(h) Identify the force exhibited here:



(i) Identify the microbe shown below:



(j) Identify this solar powered device:



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