

Std: 7

Greenlawns High School

Date: 28.09.2021

First Semester Examination-Science Marks: 40

- Please note:**
1. Write answers to all the questions on composition sheets.
 2. On each side of the composition sheet mention your name, roll no., std., and div.
 3. Take clear picture of answer sheets and submit it as pdf.
 4. Rename your pdf as your 'Roll no name subject Sem.1'

(Example: 23 Akash Jain science Sem.1)

Q.1) Fill in the blanks :- [5]

- (a) The image formed by a plane mirror is _____ inverted.
- (b) _____ is the direct transition from vapour to solid state.
- (c) Inter-particle force between the same type of particles is known as _____ forces.
- (d) Water and oil can be separated by using a apparatus called _____ .
- (e) Insectivorous plants grow in _____ deficit soil.

Q.2) Name the following :- [5]

- (a) A flat two-dimensional surface with no thickness.
- (b) Two metal strips which expand by different amounts are riveted together.
- (c) Intermixing of substance by natural movement of their particles.
- (d) Alloy of tin, lead and antimony.
- (e) Cell organelle which act as a site for cellular respiration.

Q.3) Complete the correlations: - **[5]**

- (a) Pitcher plant : **trap doors** , Dodder : _____
- (b) Substances combine in fixed proportion to form: **compound** ,
substance combine in varied proportion to form : _____
- (c) Sea water : **solid-liquid mixture** , Smoke : _____
- (d) Objects which are most easy to see : **Opaque** , Objects which are
sometimes difficult to see : _____
- (e) Boiling and evaporation : **Vaporisation** , Melting and
condensation : _____

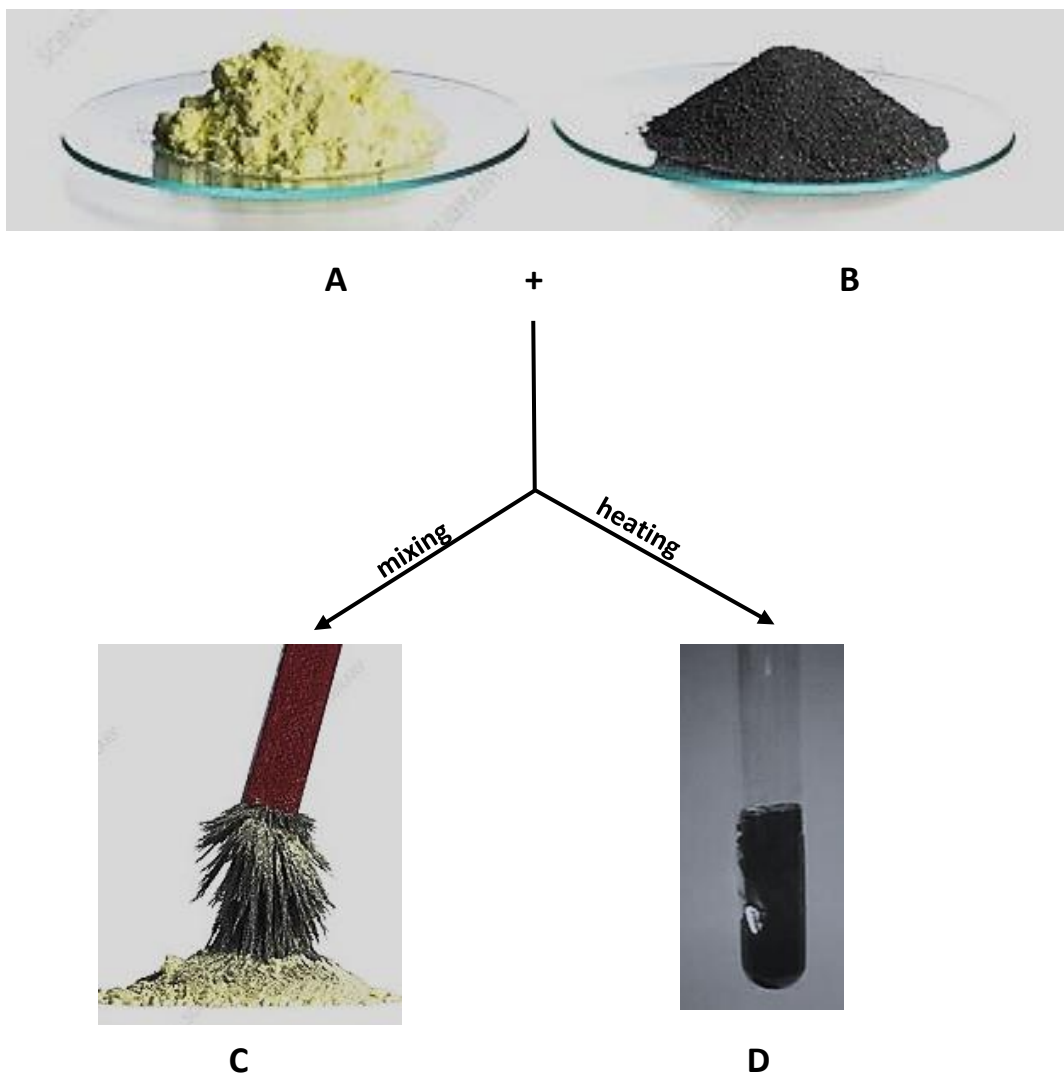
Q.4) Write True or False :- **[5]**

- (a) Elements in a molecule can be separated by physical methods.
- (b) A solution is a heterogeneous mixture of two or more substance.
- (c) Heat is defined as degree of hotness or coldness of an object.
- (d) Image formed due to regular reflection is sharp and clear.
- (e) Transpiration is a process of loss of water by plants.

Q.5) Distinguish between (2 points each) :- **[6]**

- (a) Mixture and compound.
- (b) Real image and virtual image.
- (c) Aerobic respiration and anaerobic respiration.

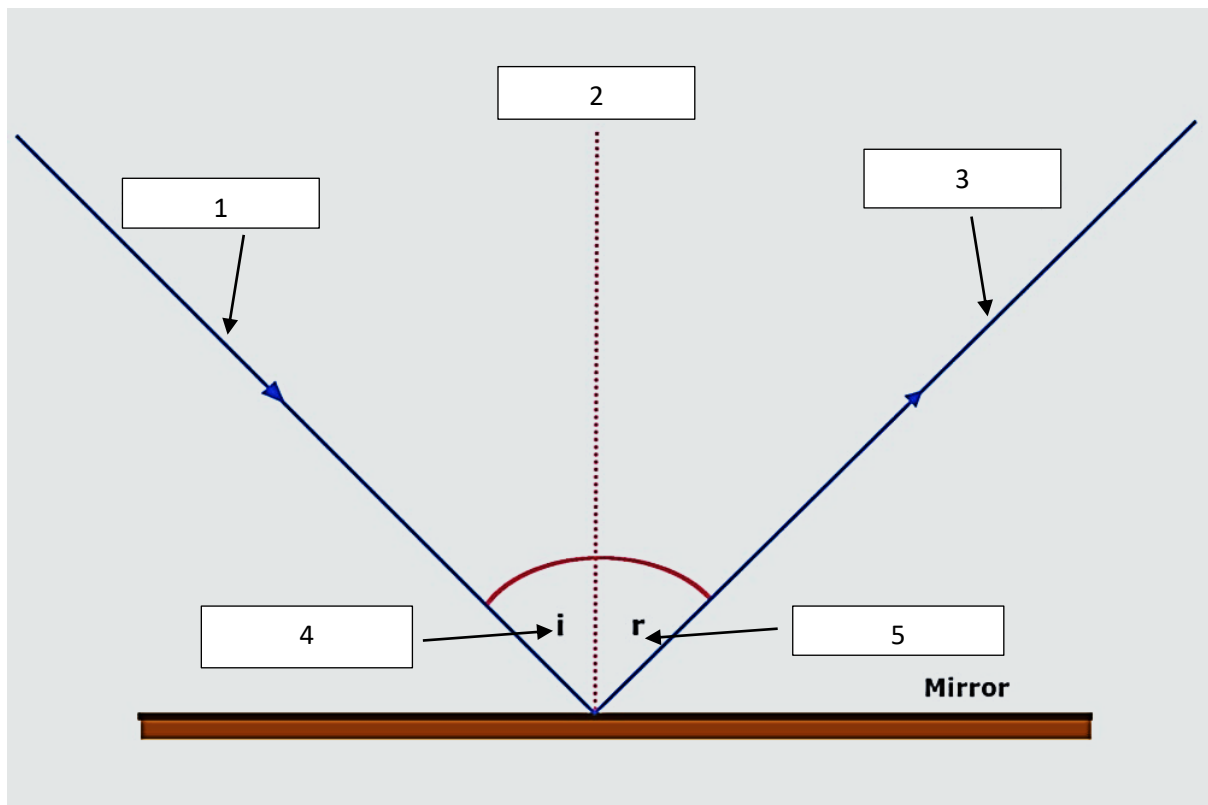
Q.6) Experiment is carried out to demonstrate formation of a mixture and a compound. [5]



- (i) Name the substance formed in **fig.D**.
- (ii) Which physical separation method is used in **fig.C**?
- (iii) Identify and write the name of the pure substance labeled as **A** and **B**.
- (iv) Which substance C or D requires combination of A and B in fixed proportion.

Q.7) Label the figure given below :-

[5]



Q.8) Give reasons for the following :-

[4]

- (a) Gases are highly compressible.
- (b) Glass tumbler cracks when hot water is poured into it.
- (c) Image formed by a pinhole camera is classified as a real image.
- (d) Saprophytic nutrition allows nutrients to be recycled.

-----THE END-----