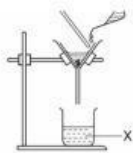


# Science Test Paper

1. Which of the following statements is true about mixtures?
  - I. A mixture is made up of solid substances of the same size and shape.
  - II. A mixture is made up of two or more different substances which are not chemically combined.
  - III. The substances in a mixture usually can be separated using physical methods.
  - IV. The substances in a mixture retain their physical properties.
  - A. I, II and III
  - B. I, II and IV
  - C. II, III and IV
  - D. I, II, III and IV
2. Which of the following is a mixture?
  - A. Sand
  - B. Iron
  - C. Gold
  - D. Salt water
3. Mali has a mixture of fine sand and small stones. What technique can she use to separate the fine sand from the stones?
  - A. Filtration
  - B. Magnet attraction
  - C. Sifting
  - D. Decantation
4. Which of the following mixtures can be best separated by magnetic attraction?
  - A. Sugar and pepper
  - B. Oil and water
  - C. Wood chips and stones
  - D. Iron and sulfur
5. We can use a \_\_\_\_\_ to separate a mixture of sand and salt solution.
  - A. sieve
  - B. magnet
  - C. alum
  - D. filter paper
6. What is the technique that can be used to separate cherry tomatoes from nuts?
  - A. Filtration
  - B. Precipitation
  - C. Handpicking
  - D. Decantation
7. Sifting is used to separate a mixture of different sized \_\_\_\_\_.
  - A. sediments
  - B. solids
  - C. liquids
  - D. gases
8. The diagram shows the set-up of the apparatus of a separation technique.



What is represented by X?

What is represented by X?

- A. Residue
- B. Filtrate
- C. Precipitate
- D. Alum

9. What name is given to the solid which collects in the filter paper during filtration?

- A. Filtrate
- B. Residue
- C. Distillate
- D. Precipitate

10. Decantation is used to \_\_\_\_\_.

- A. separate a liquid from a soluble solid
- B. separate a liquid from an insoluble solid
- C. separate a mixture of two liquids
- D. separate solids of different sizes

11. Which of the following techniques can be used to separate an insoluble solid and a liquid?

- I. Decantation
  - II. Filtration
  - III. Sifting
  - IV. Precipitation
- A. I and II
  - B. II and IV
  - C. I, II and III
  - D. I, II and IV

12. Which of the following statements is true about precipitation?

- A. Using layers of different stones and sand
- B. Allowing the solid in a liquid to settle to the bottom of a container before the liquid is poured off the top
- C. Allowing water to evaporate, leaving a solid residue behind
- D. Converting a substance that dissolves in a liquid into a solid by adding other substance

13. If you want to remove soil, dust and leaves from water, which method would you use?

- A. Precipitation
- B. Filtration
- C. Decantation
- D. Sifting

14. Somsak makes some coffee with a coffee maker. Which tool would best be used to separate the coffee grounds from the coffee drink?

- A. Strainer

- B. Filter paper
- C. Colander
- D. Perforated plate sieve

15. In the water treatment process, the raw water is treated with a chemical to precipitate the dirt and bacteria in the water. What is the chemical used?

- A. Alum
- B. Chlorine
- C. Vinegar
- D. Limestone