

- Q.1 Sucrose (sugar) crystals obtained from sugarcane and beetroot are mixed together. Will it be a pure substance or a mixture? Give reasons for the same.
- Q.2 Identify the elements from the following substances: sulphur, brine, hydrochloric acid, water, neon, paper, sugar.
- Q.3 Which of the following are not compounds?
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|-------------------|------------------------|--------------------|
| (a) Chlorine gas | (b) Potassium chloride | (c) Iron |
| (d) Iron sulphide | (e) Aluminium | (f) Iodine |
| (g) Carbon | (h) Carbon monoxide | (i) Sulphur powder |
- Q.4 Classify the following into elements, compounds and mixtures.
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|---------------|-----------|-------------------|
| (i) Pure sand | (ii) Air | (iii) Ammonia gas |
| (iv) Ice | (v) Glass | |
- Q.5 Classify the following into Elements, Compounds and Mixtures.
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| Sodium | Soil | Sugar |
| Solution | Silver | Calcium |
| Carbonate | Tin | Silicon |
| Coal | Air | Soap |
| Methane | Carbon | dioxide |
| Blood | | |