

Question

Flammable solvents in a mixture should be boiled away in a _____.

Answer

fume cupboard

Question

A Buchner funnel is mainly used for _____.

Answer

vacuum filtration

Question

Most fire in the laboratory can be prevented by the use of _____.

Answer

Common sense

Question

All the following explodes on contact with water except _____.

Answer

Aluminium

Question

The following are the first things to be done when determining the density of an unknown metal cube except _____.

Answer

Measure the height and width of the cube

Question

A metal sphere weighing 19.48g is added to 20ml of water in a graduated cylinder. If the density of the metal is 4.50g/ml, what will be the new level of water in the graduated cylinder?

Answer

24.33ml

Question

You are given a bottle that contains 4.59cm³ of a metallic solid. The total mass of the bottle is 36.66g. The empty bottle weighs 14.23g. What is the density of the solid?

Answer

4.67 g/cm³

Question

The following interaction(s) are responsible for holding molecules in a liquid together in a defined volume except _____.

Answer

metallic bonding

Question

The vapor pressure exerted by a liquid is _____ to its temperature.

Answer

directly proportional

Question

To prevent bumping of a hot liquid out of the container, _____ is added.

Answer

boiling chips

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