

Gold

- Gold is an inert metal.
- Gold is an excellent conductor of electricity.
- Gold is very malleable [soft and easy to bend].
- Gold does not corrode or tarnish.
- Gold can be put into any single acid and will not be eaten away. A mixture called Aqua Regia Water, made up of one part nitric acid to three parts hydrochloric acid will, however, dissolve gold.
- Cyanide will also dissolve gold.
- One ounce [25g] can be drawn out into a wire one kilometre long.
- Gold is the only metal that can be beaten thin enough to be seen through [as on the visors of astronaut's helmets].
- Gold amalgamates readily with other metals to form an alloy.
- Rose gold is a mixture of copper and gold. Fashion jewellery is often made of rose gold.
- 'Carats' is the term used to describe the proportion of gold in an alloy with a total of 24 parts:
 - 24 carats is classified as pure gold.
 - 18 carats is 18 parts gold, 6 parts of another metal.
 - 9 carats is 9 parts gold, 15 parts of another metal.
- A pinchbeck is an alloy of copper and zinc used as imitation gold.