

## MATERIALS - ACTIVITIES

### 1. Match the material to the correct definition:

MATERIAL	DEFINITION
Steel	Timber from deciduous trees.
Stainless steel	Timber from pine trees.
Zinc	A strong material made mostly from iron.
Iron	An alloy made from copper and tin
Bronze	A type of steel not needing a protective coating, as it doesn't rust.
Lead	The predominant metal in steel
Hardwood	A metal used to make brass, and in galvanised coatings on steel.
Softwood	A dense, poisonous metal.

### 2. Use the words in the box to complete the definitions:

compounds	ferrous	alloy	coated	polymers	not-metallic	glass
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- A. Covered by some kind of material .....
- B. Plastic materials .....
- C. Combinations of materials .....
- D. Mixture of metals .....
- E. Materials that are not metal .....
- F. A solid transparent material used in windows .....
- G. Iron and steel .....

### 3. Decide whether the sentences below are TRUE or FALSE.

- A. The elements that make up a compound are chemically bound.
- B. Alloys are chemical compounds that are frequently used in engineering.
- C. In an alloy, an alloying metal is the biggest constituent, by percentage.
- D. Steel is an alloy of iron and carbon.
- E. Mild steel is a high carbon steel.
- F. Titanium has a high strength-to-weight ratio and is often alloyed with aluminium.