

Several properties for zinc (Zn) are listed below:

- brittle at room temperature, but malleable between 100°C and 150°C
 - bluish-white in color
 - burns in air at high temperatures, giving off zinc oxide (ZnO) gas
 - conducts heat and electricity
 - sinks in water
 - reacts with acids and bases
 - exposed surfaces tarnish in moist air
- a. Identify **two** physical properties of zinc from the list. Explain why the properties you identified are physical properties and not chemical properties.
- b. Identify **two** chemical properties of zinc from the list. Explain why the properties you identified are chemical properties and not physical properties.