## ORE PROCESSING MILLING AND SMELTING

<b>Terminology</b> Define the following terms as they relate to mining.
Mill -
Beneficiation –
Concentration –
Flotation –
Magnetic separation –
Extractive Metallurgy –
Smelting (Pyrometallurgy) –

Hydrometallurgy –
Cyanidation –
Sodium cyanide –
Heap leaching –
Slag –
Gangue –
Tailings –

3) How is water used in the beneficiation process?

4) How are chemicals used in the beneficiation process (i.e. hydrometallurgy)?
5) What are the environmental impacts of milling and smelting?
6) What are the water quality impacts of milling and smelting?
7) What is the Hg amalgamation process and where is Hg mined? (BONUS)