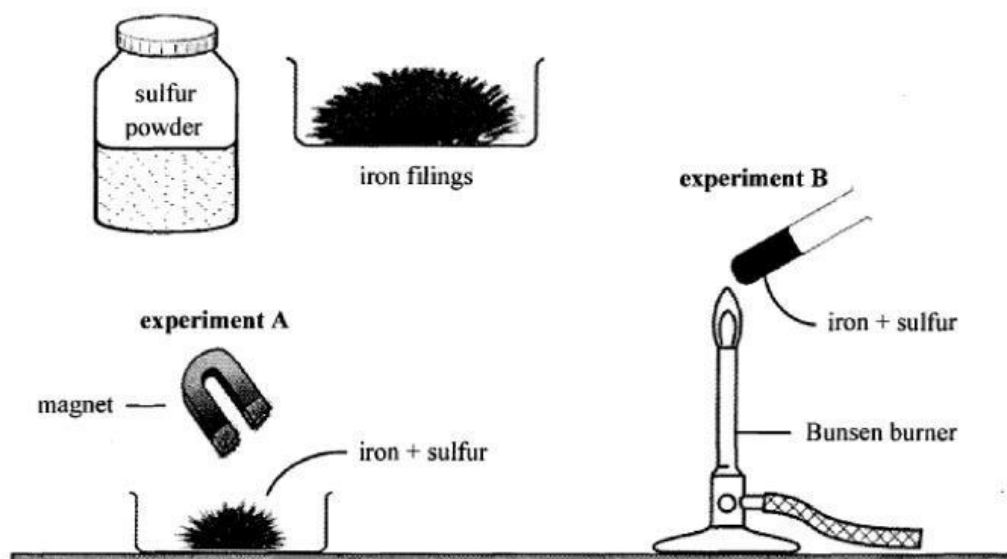


5. A student conducted two separate experiments using iron filings and sulfur powder.



- (a) In which experiment is
- (i) a new substance formed; _____
 - (ii) a change of state taking place; _____
 - (iii) a physical change shown; _____
 - (iv) a method of separation shown. _____ [3]
- (b) (i) In **experiment A**, name the magnetic material.
- _____ [1]
- (ii) Name the form of energy used in **experiment B**.
- _____ [1]
- (iii) Elements are classified as either metals or non-metals.
- Classify the element sulfur.
- _____ [1]
- (iv) Identify **two** characteristics of a metal.
1. _____
2. _____ [2]