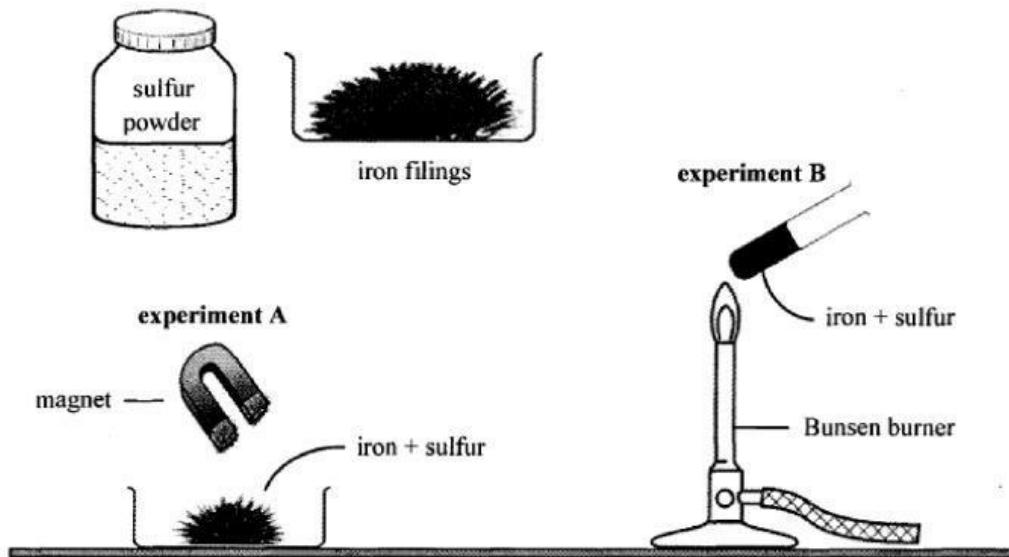


5. A student conducted two separate experiments using iron filings and sulfur powder.



- (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]