

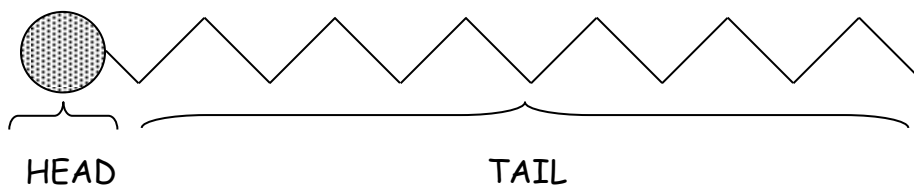
## Homework 6.1

1. a) Water and oil/grease do not ..... with each other.  
b) Oil/grease are ..... in water.
2. a) Cleaning chemicals are soluble in both ..... and .....
- b) Name 5 different cleaning chemicals

.....  
.....

- c) Cleaning chemicals break up oil into smaller ..... which will then dissolve in water.

- d) Add labels to the following diagram of a soap molecule:



(i) Soluble in .....

(ii) Soluble in .....

3. a) Soap will form a ..... with hard water.  
b) ..... detergents are used to form a lather with hard water.
4. Dry cleaning uses ..... to remove grease from clothes which do not suit wet washing.