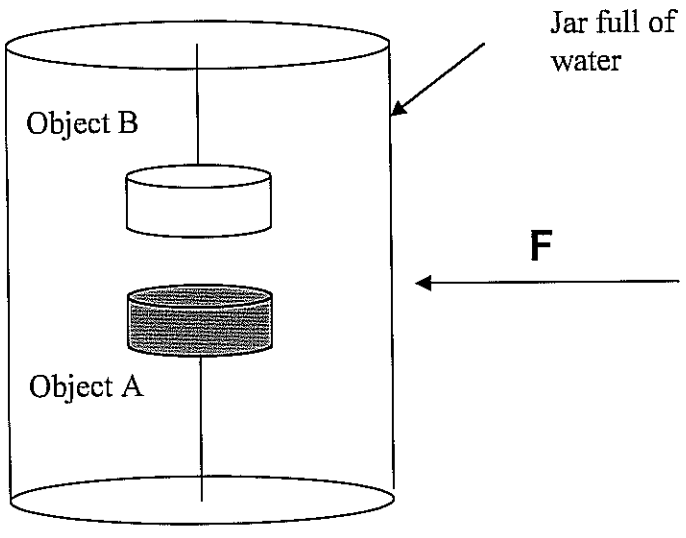
**THE JAR EXPERIMENT**




**A jar full of water is sitting on a table and has two identical shaped objects inside it (Objects A and B).**

**Object A is made of foam and is therefore lighter than water. It is attached to the bottom of the jar by a piece of string.**

**Object B is made of copper and is therefore heavier than water. It is attached to the top of the jar by a piece of string.**

**If the jar is pushed horizontally to the left as shown what will happen to the objects inside the jar:**

a) **Both objects will move to the left relative to the jar**
b) **Both object will move to the right relative to the jar**
c) **Both objects will remain stationary relative to the jar**
d) **Object A will move right and Object B will move to the left (relative to the jar)**
e) **Object A will move left and Object B will move to the right (relative to the jar)**
f) **Object A will remain stationary relative to the jar and Object B will move to the left**
g) **Object A will remain stationary relative to the jar and Object B will move to the right**
h) **Object B will remain stationary relative to the jar and Object A will move to the left**
i) **Object B will remain stationary relative to the jar and Object A will move to the right**