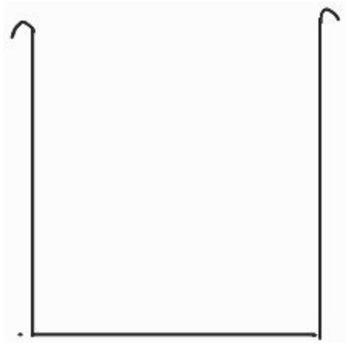
Physics - Key Stage 3 Matter

Review 2

Miss Todd

Independent Practise

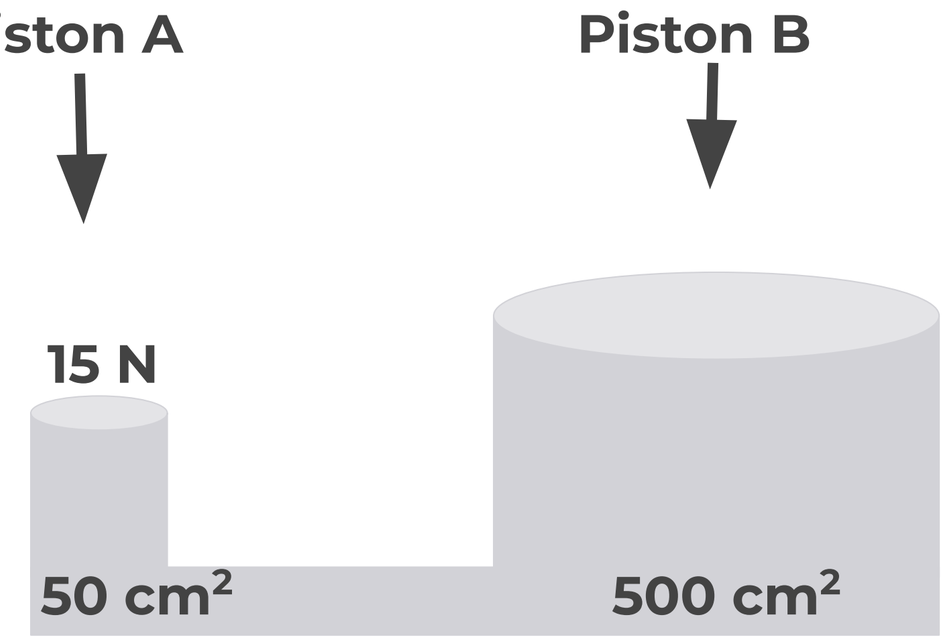
Draw a diagram of a beaker and show the direction of the force on the walls



What happens to the pressure with depth?

“As the depth of the water _____, the pressure _____”

Independent Practise



Pressure = Force ÷ Area

1. Calculate the pressure being transmitted to piston B.
2. Calculate the force at piston B.

Independent Practise

1. What happened to the weight of all of the objects in water? Why is this?

2. What do you notice about the weight of objects that float?

3. Why do some objects still sink?

Independent Practise

1. Define the term atmosphere.

2. Describe how the atmosphere is caused.

3. What happens to a marshmallow in a vacuum?

As the air is drawn out of the jar . . . This means the pressure inside the marshmallow . . . when the valve is released and the returns into the jar . . .