

## Contact forces: Friction and Buoyancy

### 1. Friction

#### a. Complete the sentences:

Friction is the force that opposes .....

It is produced when two objects ..... together

Friction makes objects ..... down or .....

Friction is greater when the surface of the object is ..... (the opposite of smooth)

#### b.



A. On the road



B. On a carpet



C. On a shiny stone floor

Which one needs the least effort (A, B or C)? .....

Why? *Because the surface is ....., so there is ..... friction*

### 2. Buoyancy

#### a. Complete the information:

Buoyancy is the force that causes objects to ..... in a liquid.

It acts in the opposite direction to ..... when an object is submerged in a liquid.

#### b. Watch the video and choose the correct answer:

#### c. Why does the first piece of plasticine sink but the second one floats?