













## Permeability Pictures – Student Activity

Five ml of water was dropped onto three different rock types. Photographs of what happened to the water were taken at 5 minutes, at 10 minutes and after 1 day.

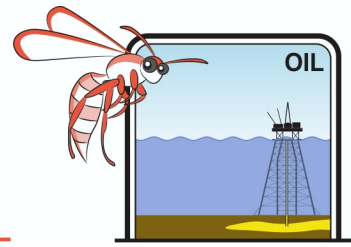
| Time  | Granite   | Sandstone   | Slate   |
|-------|---|---|---|
| 0min. |    |    |    |
| 5min. |   |   |   |
| 10min |  |  |  |
| 1 day |  |  |  |

In this experiment:

Which was the **DEPENDENT VARIABLE**? \_\_\_\_\_

Which was the **INDEPENDANT VARIABLE** \_\_\_\_\_

What was the purpose of the 5c pieces? \_\_\_\_\_



## Permeability Pictures – Student Activity

Which rock or rocks would allow oil or gas to migrate through? \_\_\_\_\_

Tick the correct boxes

| Rock      | Permeable | Impermeable |
|-----------|-----------|-------------|
| Granite   |           |             |
| Sandstone |           |             |
| Slate     |           |             |



The rock above is pumice. It is a volcanic rock. 2ml of water has been dropped on its surface. Observe what has happened.

Is pumice porous? \_\_\_\_\_

Is pumice permeable? \_\_\_\_\_

Which rock (granite, sandstone, slate or pumice) would allow oil and gas (hydrocarbons) to migrate through it and why?