

SCIENCE NOTES

UNIT 5: FRICTION

LESSION 4: MOVING THROUGH AIR

LESSON 5: MOVING THROUGH WATER

1-HARD WORDS

- 1- Resistance
- 2- Streamlining
- 3- Parachute
- 4- Barnacles
- 5- Hydrofoils
- 6- Hovercraft

2-MATCH THE FOLLOWING

- | | | |
|-------------------------------|---|-------------------------|
| 1- Sir christopher cockell | - | Have streamlined body-5 |
| 2- Small hard-shelled animals | - | Invented hovercraft-1 |
| 3- Increasing air resistance | - | Can glide 300 meters-4 |
| 4- Flying fish | - | Barnacles-2 |
| 5- Whales and Dolphins | - | Parachutes-3 |

3-NAME THE FOLLOWING

- 1- The force that the air exerts on a moving object.

Ans: Air resistance

- 2- The force that water exerts on a moving object.

Ans: Water resistance

- 3- Name some animals which can glide in the air.

Ans: Flying squirrel, flying lizards, flying fish and geckos.

4-DEFINE THE FOLLOWING:

- 1- Streamlined-Design with a form that presents very little resistance to a flow of air or water, increasing speed and easy of movement.
- 2- Hovercraft –A kind of ship which glides over the surface of the water on a cushion of air
- 3- Barnacles- They are small hard-shelled animals, living in the oceans or seas which stick themselves onto the underway part of a ship.

5-FILL UPS:

- 1- Streamlined cars and aircraft use less fuel.
- 2- A parachute is shaped like a huge Mushroom.
- 3- Flying fishes have extra Fins.
- 4- Hydrofoils have underwater wings that lift the hull of the ship as it travels through the water.

6-QUESTIONS ANSWER

- 1- How do fast swimmers streamline their bodies?

Ans: Swimmers streamline their bodies by tight-fitting swimming costumes, by keeping their bodies as straight as possible and their limbs close together.