Teacher Name: Class: Subject: Date:5th June 2018.

Seema Adil 7 Science

**Topic: Forces and their Effects**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Sec: \_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

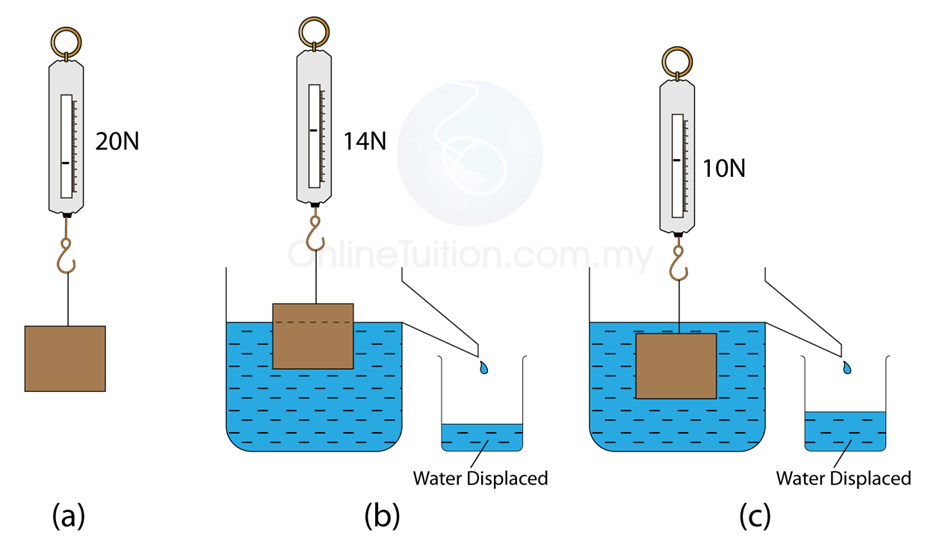
**Q. Ex A: Find the density of a substance.**

**Is the substance regular or irregular: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Step 1**  **Measure the mass** | Image result for weighing balanceImage result for irregular piece of rock  50 g | **Mass = \_\_\_\_\_\_\_\_ g** |
| **Step 2**  **Find the volume of an irregular substance** | Image result for how to find the volume or irregular shape | **1 ml = 1 cm³**  **Volume: \_\_\_\_\_\_\_\_ cm³** |
| **Step 3**  **Calculate the density** | **Formula:** | **Density = \_\_\_\_\_\_\_\_ g/cm³** |

**Find the volume of a substance.**

|  |  |  |
| --- | --- | --- |
| **Density – 25 g/cm³**  **Mass - 100 g** | **Formula:** | **Volume:**  **\_\_\_\_\_\_\_\_ cm³** |

**Ex C: Calculate the upthrust**

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| Weight of object in air - \_\_\_\_\_\_\_ N  Weight of object in water - \_\_\_\_\_\_\_ N | Upthrust = \_\_\_\_\_\_\_\_\_\_\_\_\_N |

Q.2 Define the following:

Density

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Force

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Up thrust

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Gravitational Force

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Air resistance

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Friction

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Q.3 What are the advantages and disadvantages of friction? HOW CAN WE REDUCE FRICTION?

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Q.4 What are the organs of human body? State the functions of each organ.

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