

**INDIAN SCHOOL SOHAR**  
**FORMATIVE ASSESSMENT II**  
**SCIENCE**

**CLASS: IX****TIME: 40 MINUTES****DATE: 01/06/2014****MAX. MARKS: 20**

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**Answer the following questions:**

1. Name the organelles that have their own DNA. (1)
2. "Uniform circular motion is an accelerated motion". Justify this statement with reason. (1)
3. Draw the velocity- time graph of a body moving with uniform velocity. (1)
4. Give one example each for: (a) Solid - solid solution (b) Solid - liquid solution (1)
5. When a solution is said to be saturated? (1)
6. Earthen pots are used to cool water. Give reason (2)
7. A bus accelerates uniformly from 54km/h to 72km/h in 10s. Calculate:  
(i) the acceleration, (ii) the distance covered by the bus in that time. (2)
8. Give any two functions of the following: (2)  
a) Lysosomes      b) Endoplasmic reticulum
9. Draw a neat diagram of the plant cell and label the following organelles (3)  
a) Mitochondria    b) Ribosomes    c) Plastids
10. Derive the equation of motion  $s = ut + \frac{1}{2} at^2$ , using graphical method. (3)
11. (a) Why Tyndall Effect is observed in colloids? (3)  
(b) How much water should be added to 50g of lead nitrate crystals, so as to obtain 10% solution?