

**Set 1A**

| <b>Qn</b> | <b>Ans</b> |  | <b>Qn</b> | <b>Ans</b> |                                                                                                                                                                                                                              | <b>Qn</b> | <b>Ans</b> |                                                                                                                                                                                                                                         |
|-----------|------------|--|-----------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1         | 3          |  | 11        | 2          |                                                                                                                                                                                                                              | 21        | 1          |                                                                                                                                                                                                                                         |
| 2         | 2          |  | 12        | 1          | <p>32x<br/>A is wrong. Carbon dioxide is a gas and is only removed at the lungs. Heart pumps blood.</p> <p>C is wrong. From the picture, heart does not pump blood to body of fish except the gills (refer to the arrow)</p> | 22        | 2          |                                                                                                                                                                                                                                         |
| 3         | 4          |  | 13        | 3          | <p>30x<br/>This is a seedling. There is no leaves for it to make food so it got its food from seed leaves. So food is going upwards and water upwards from roots</p>                                                         | 23        | 4          | <p>12x<br/>C turns to liquid at a temperature lower than either A or B. This means it melts (solid to liquid) at the lowest temperature so it has the lowest melting point. By the way melting point and freezing point is the same</p> |
| 4         | 3          |  | 14        | 3          |                                                                                                                                                                                                                              | 24        | 2          | <p>11x<br/>Ice temperature is always the same at 0 degrees</p>                                                                                                                                                                          |

|   |   |                                     |    |   |                                                                                                                                                                                                                                            |    |   |                                                                                                                                                                              |
|---|---|-------------------------------------|----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   |   |                                     |    |   |                                                                                                                                                                                                                                            |    |   | celcius. If it increases, it will turn into water. Remember that graph is monitoring temperature of ice.<br>Metal cup temperature will decrease as it loses heat to the ice. |
| 5 | 2 |                                     | 15 | 1 |                                                                                                                                                                                                                                            | 25 | 4 |                                                                                                                                                                              |
|   |   |                                     |    |   |                                                                                                                                                                                                                                            |    |   |                                                                                                                                                                              |
| 6 | 1 |                                     | 16 | 2 | 13x<br>In the lift, Peter can only respire (he is not a plant to make food and release oxygen)<br>Nitrogen is not used by the body so its amount stays the same.<br>Oxygen decreases<br>Carbon dioxide increases<br>Water vapour increases | 26 | 3 |                                                                                                                                                                              |
| 7 | 3 |                                     | 17 | 2 |                                                                                                                                                                                                                                            | 27 | 4 |                                                                                                                                                                              |
| 8 | 4 |                                     | 18 | 1 | 5x                                                                                                                                                                                                                                         | 28 | 1 |                                                                                                                                                                              |
| 9 | 3 | 7x<br>Plant A is by animals because | 19 | 4 | 5x                                                                                                                                                                                                                                         |    |   |                                                                                                                                                                              |

|    |   |                      |    |   |  |  |  |  |
|----|---|----------------------|----|---|--|--|--|--|
|    |   | the plant is growing |    |   |  |  |  |  |
| 10 | 3 | 9x                   | 20 | 1 |  |  |  |  |