

Cell differentiation and Specialisation

| 1 | Fill in the missing words | | |
|---------------|---|---|--------------|
| egg | or zygote. This cell must | duction begin life as a, which is known a to produce a multicellular organism. It must also | , |
| are | | | |
| 2 | Match the below plant cells to their adap | ptations | [4 marks] |
| | Xylem | Cells have finger-like that increase the surfa | ce area. |
| | Root hair cells | Cells have lots of chloroplasts filled with chl | lorophyll |
| | Leaf cell | Cells are hollow in the centre, and joined end to no gaps | co end with |
| | Phloem | Cells have very few subcellular structures, and end cell walls | holes in the |
| 3 | What is the function of a sperm cell a | and how is it adapted to its function? | [4 marks] |
| 4 1) . | | on. Give two adaptations that help them achieve this | [3 marks] |
| 2) . | | | [2 marks] |

[Total - 13 marks]