**CELL SPECIALISATIONS AND TISSUES**

**Tissues**

Define a ‘tissue’:

|  |  |  |  |
| --- | --- | --- | --- |
| Example | Structure | How structure relates to function | Location in body |
| Striated muscle |  |  |  |
| Smooth muscle |  |  |  |
| Cardiac muscle |  |  |  |
| Bone |  |  |  |
| Cartilage |  |  |  |
| Skin |  |  |  |

**Specialised cells**:

Define the following:

|  |  |  |
| --- | --- | --- |
|  | definition | example |
| Totipotent cell |  |  |
| Pluripotent cell |  |  |
| Multipotent cell |  |  |
| Unipotent |  |  |

Describe the structure and functions of the following cells:

|  |  |  |
| --- | --- | --- |
| Cell type | Structure | How structure relates to function |
| Red blood cell |  |  |
| Ciliated epithelial cell |  |  |
| Sensory neuron |  |  |
| Motor neurons |  |  |
| Relay (inter-) neuron |  |  |