1. Study the list of bones below and indicate whether they belong to the axial or appendicular skeleton (delete incorrect answer).

|  |  |
| --- | --- |
| **Bone(s)** | **Axial or Appendicular** |
| Carpal bones | Axial or Appendicular |
| Sternum | Axial or Appendicular |
| Fibula | Axial or Appendicular |
| Hyoid bone | Axial or Appendicular |
| Ilium | Axial or Appendicular |
| 5th Lumbar Vertebrae | Axial or Appendicular |

1. Complete the table below classifying the following bones and identifying their primary function and location:

|  |  |  |  |
| --- | --- | --- | --- |
| **Bone** | **Classification** | **Primary Function** | **Location** |
| Radius |  |  |  |
| Carpal bones |  |  |  |
| Scapula |  |  |  |
| Patella |  |  |  |
| Vertebra |  |  |  |

1. Identify the anatomical components of the synovial joint below and describe the functions of each.

Diagram

Description automatically generated

|  |  |  |
| --- | --- | --- |
|  | **Component** | **Function** |
| A |  |  |
| B |  |  |
| C |  |  |
| D |  |  |
| E |  |  |

1. In the table below, name the six classes of synovial joint giving at least one example of each.

|  |  |
| --- | --- |
| **Name of joint type** | **Example i.e. shoulder** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

1. Give a brief description of the following types of movement:

|  |  |
| --- | --- |
| **Types of Movement** | **Brief Description** |
| **Abduction:** |  |
| **Adduction:** |  |
| **Flexion:** |  |
| **Extension:** |  |
| **Plantar Flexion:** |  |
| **Circumduction:** |  |

1. There are several factors that may limit the range of movement at a major synovial joint. List 4 of these factors and identify what the effects might be.

|  |  |
| --- | --- |
| **Factor** | **Effect on Range of Movement** |
|  |  |
|  |  |
|  |  |
|  |  |