

# Science Worksheet #2

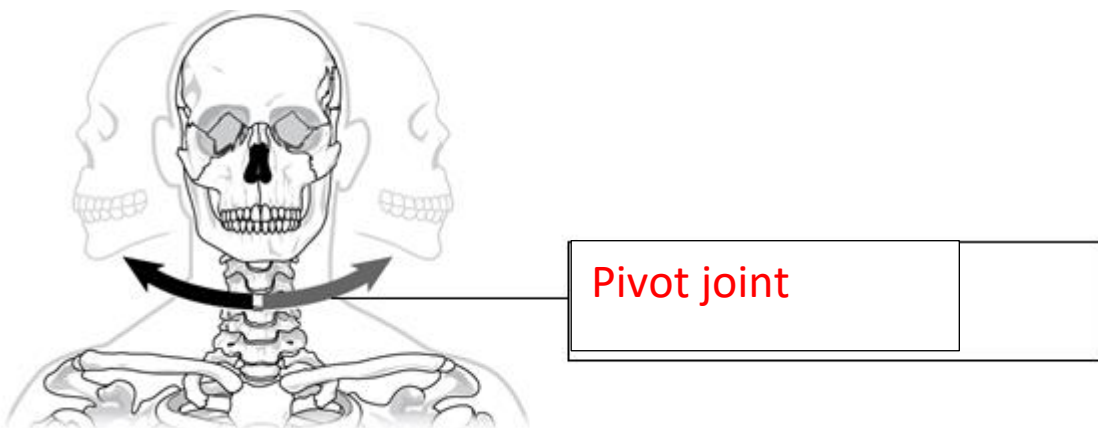
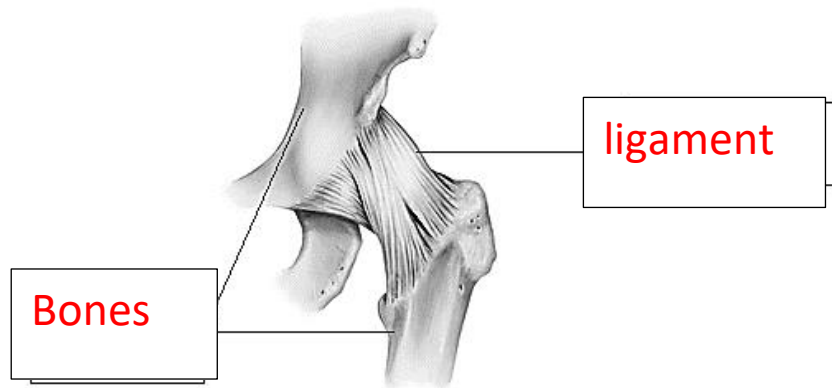
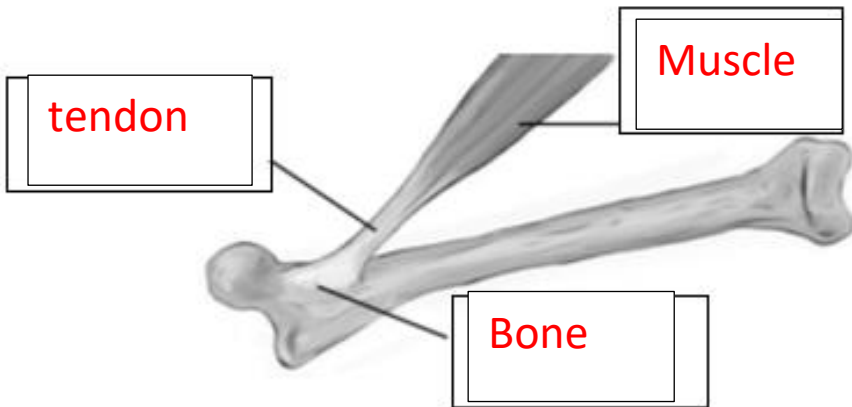
## Understanding the role of skeletal joints

Name: \_\_\_\_\_

Grade 7A

Date: /10/2022

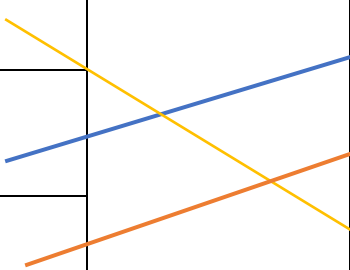
1 – Name the following structures.



**2- Complete the following statements.**

- The only moving bone in your head is the jaw.
- Cranium joints are fixed because they protect the brain.
- Collagen is the main component that makes up tendons and ligaments.
- The elbow joint is an example of hinge joint.

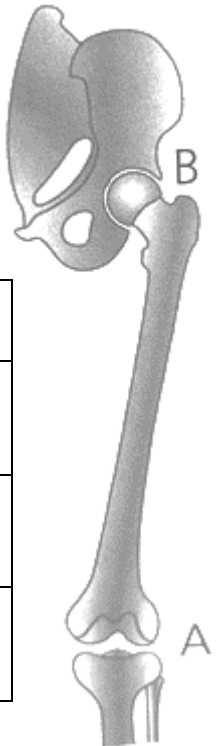
**3- Link each of the following tissues to its correct role.**

|           |                                                                                    |                                                                                  |
|-----------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Ligament  |  | Prevents the end of bones from banging together in a joint.                      |
| Cartilage |                                                                                    | Provides support and can be pulled around by muscles to move your arms and legs. |
| Tendon    |                                                                                    | Holds bones together but lets them swing freely.                                 |

**4- The diagram shows a human leg bone and the joints at each end of it (A and B).**

**Match each of the facts below to the correct joint and write them in the correct column.**

|                       |                              |                     |
|-----------------------|------------------------------|---------------------|
| a hinge joint         | a ball and socket joint      | connects leg to hip |
| lets leg swing freely | lets leg bend and straighten | found in the knee   |



| Joint A                      | Joint B                 |
|------------------------------|-------------------------|
| A hinge joint                | A ball and socket joint |
| lets leg bend and straighten | Connects leg to hip     |
| Found in the knee            | lets leg swing freely   |