



Name:

Date:

Grade:

Grade 7 Health Science Self-Paced Assignment

The Skeletal System Review

Instructions: Answer **ALL** questions in the spaces provided. This assignment is due at the end of the period.

**Section A- An Introduction to the Skeletal System**

1. What is the name of the structures that makes up our Skeletal System? (1 mark)

\_\_\_\_\_

2. What are the names of the TWO divisions of the Skeletal System? (2 marks)

\_\_\_\_\_

\_\_\_\_\_

3. List **THREE** functions of the Skeletal System. (3 marks)

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. State the number of bones present in an adult skeleton. (1 mark)

\_\_\_\_\_

5. What are the names of the **TWO** minerals that are required (needed) to keep our bones strong and healthy? (2 marks)

\_\_\_\_\_

\_\_\_\_\_

6. What is the **SCIENTIFIC** names of the bones that protects: (3 marks)

a. the spinal cord \_\_\_\_\_

b. the brain \_\_\_\_\_

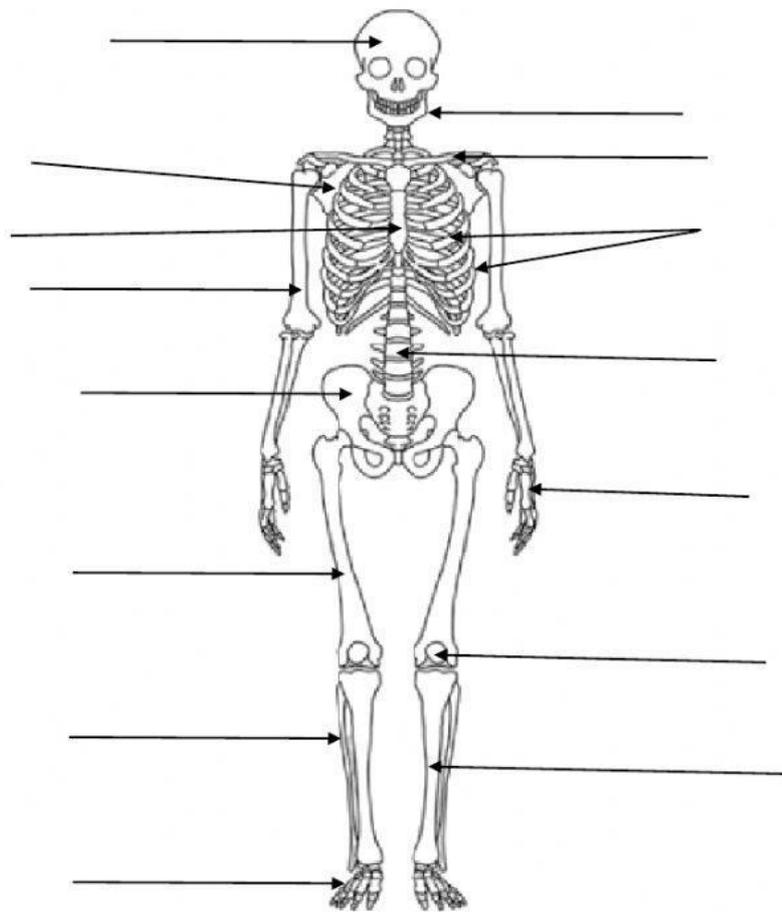
c. the heart and lungs \_\_\_\_\_

7. Where are blood cells made? (1 mark)

\_\_\_\_\_

**Section B- Bone Identification**

The diagram shows the structures of the Skeletal System. Using the word bank below, write the correct scientific name to the correct bone in the space provided.



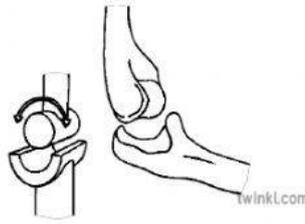
Femur	Pelvis	Sternum	Mandible
Humerus	Scapula	Metatarsals	Fibula
Cranium	Tibia	Ribs	Patella
Metacarpals	Vertebral Column	Clavicle	

### Section C- Joints and connective tissues

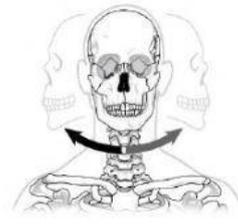
The following diagrams shows some of the joints found in the Skeletal System.



**Joint A**



**Joint B**



**Joint C**

1. What is a joint? (1 mark)

\_\_\_\_\_

2. Give the names of the three joints shown in diagrams A, B and C. (3 marks)

Joint A \_\_\_\_\_

Joint B \_\_\_\_\_

Joint C \_\_\_\_\_

3. Beside the examples shown in the diagrams, give another location in the human body where: (3 marks)

a. Joint A can be located \_\_\_\_\_

b. Joint B can be located \_\_\_\_\_

c. Joint C can be located \_\_\_\_\_

4. Give the name of the joint that: (4 marks)

a. allows movement in one direction only.

\_\_\_\_\_

b. allows movement in a full rotation

\_\_\_\_\_

c. allows movement from side to side

\_\_\_\_\_

d. allows bones to slide across each other

\_\_\_\_\_

5. Write the names of the connective tissues that: (3 marks)

a. connects muscle to bone \_\_\_\_\_

b. connects bone to bone \_\_\_\_\_

c. prevents two bones from rubbing against each other

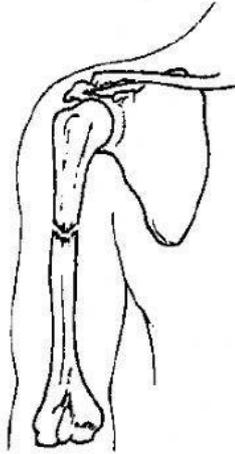
\_\_\_\_\_

6. Joints can be classified into two groups: moveable joints and immovable joints. State the name of the group of joints that Joint A, Joint B, and Joint C belongs to. (1 mark)

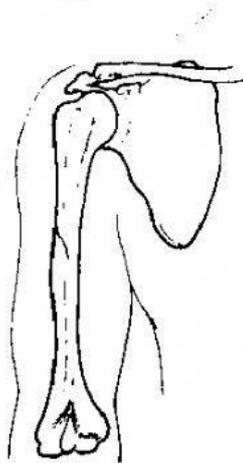
\_\_\_\_\_

#### Section D- Injuries and disorders of the Skeletal System

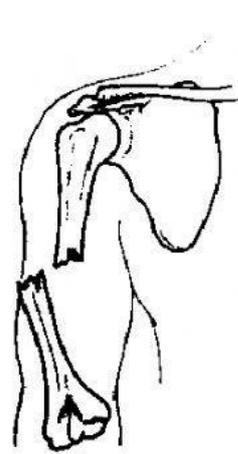
The diagrams shows the three types of fractures.



Fracture A



Fracture B



Fracture C

1. What is a fracture?

\_\_\_\_\_

2. From the diagrams, state which one is:

a. a greenstick fracture \_\_\_\_\_

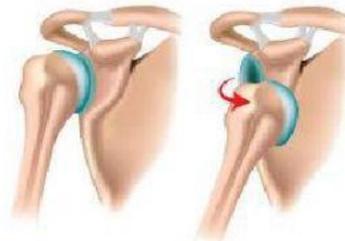
b. a closed fracture \_\_\_\_\_

c. an opened fracture \_\_\_\_\_

3. The diagrams shows TWO other injuries of the Skeletal System.



Injury C



Injury D

a. Write the name of the injury shown in: (2 marks)

Injury C \_\_\_\_\_

Injury D \_\_\_\_\_

b. Identify another location in the body where injury D can occur? (1 mark)

\_\_\_\_\_

c. What type of connective tissue that can be torn or overstretched in Injury C? (1 mark)

\_\_\_\_\_

BONUS QUESTION (2 marks)

What does the acronym P.R.I.C.E. stands for?

(Write the **FULL** word for each letter)

P \_\_\_\_\_

R \_\_\_\_\_

I \_\_\_\_\_

C \_\_\_\_\_

E \_\_\_\_\_