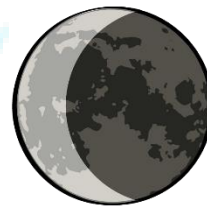
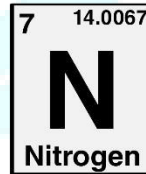
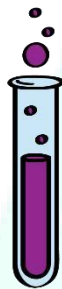
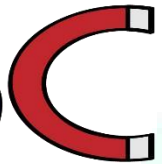
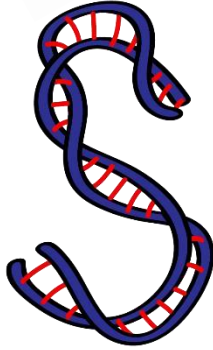


ASPIRE
INTERNATIONAL SCHOOL



Science Department

2023/2024

Year 4

Term 1, Week 3

Name:

Class:

1. Name three reasons why a skeleton is important.

Our skeleton supports our body. It makes a strong frame inside the body. It gives our body shape and makes it firm. Our skeleton also protects organs inside the body. We grow and get bigger because our skeleton grows. We begin to grow at birth. Our bones get longer and thicker each year. When are about 18 to 20 years old, our bones stop growing. Sometimes we fall or have accidents and break our bones. A broken bone is called a fracture. Doctors take special photos called X-rays to see if a bone is broken or not. The broken ends of the bone slowly grow back together again.

Questions:

1- Name three reasons why a skeleton is important.

.....

.....

.....

.....

2- Explain what would happen to a baby if its skeleton did not grow.

.....

.....

3- What is a fracture?

.....

.....

4- How can doctors find out if a bone is broken?

.....

.....

5- How do broken bones mend?

.....

.....

6- Why do you think some animals with skeletons are very big, but animals like worms are usually small?

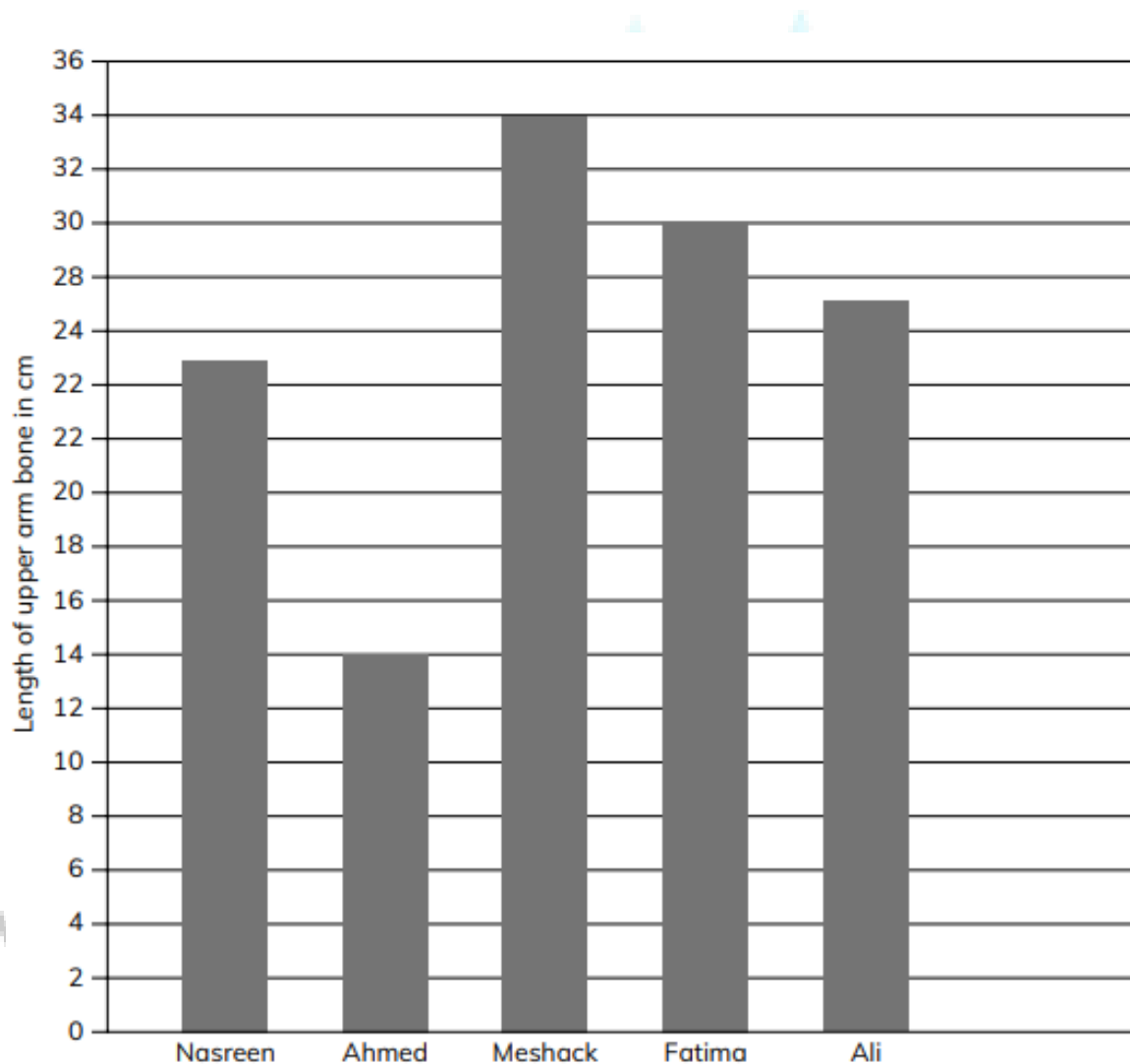
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2. In this exercise you will find information from a bar chart.

Nasreen measured the length of the upper arm bone of some people in her family. She drew this bar chart to show her results. Use the graph to answer the questions.



Questions:

1- Who had the longest upper arm bone?

.....

2- How long is the shortest upper arm bone?

.....

3- Nasreen’s two brothers are Ahmed and Ali. Which brother is the oldest? Explain your answer.

.....

4- Put Nasreen and her brothers in age order. Explain your answer

.....

5- Who are Nasreen’s parents?

.....

6- Explain how you know this.

.....

7- Which function of the skeleton does the graph show?

.....

8- Nasreen has a baby sister, Meera. Predict the length of Meera’s upper arm bone. Draw a new bar on the graph to show your prediction.

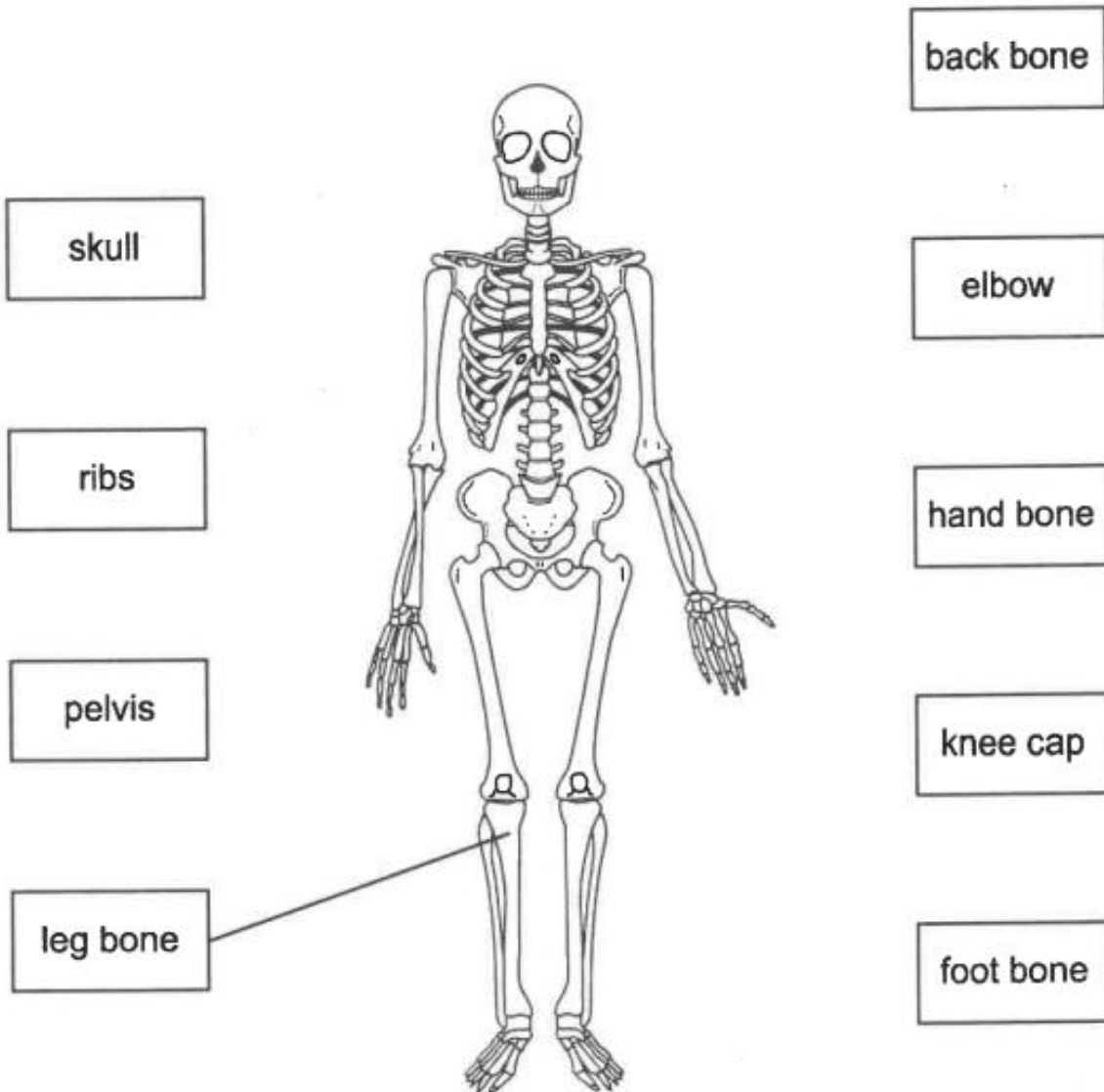
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3. Humans have bony skeletons inside their bodies.

Draw a line from each label to the correct part of the body.

One has been done for you.



Labels on the left:

- skull
- ribs
- pelvis
- leg bone

Labels on the right:

- back bone
- elbow
- hand bone
- knee cap
- foot bone

The 'leg bone' label is connected to the femur in the skeleton diagram.