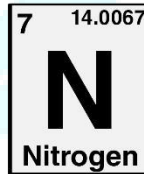
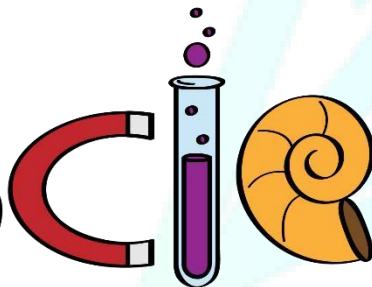
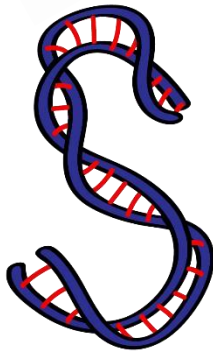


ASPIRE
INTERNATIONAL SCHOOL



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.

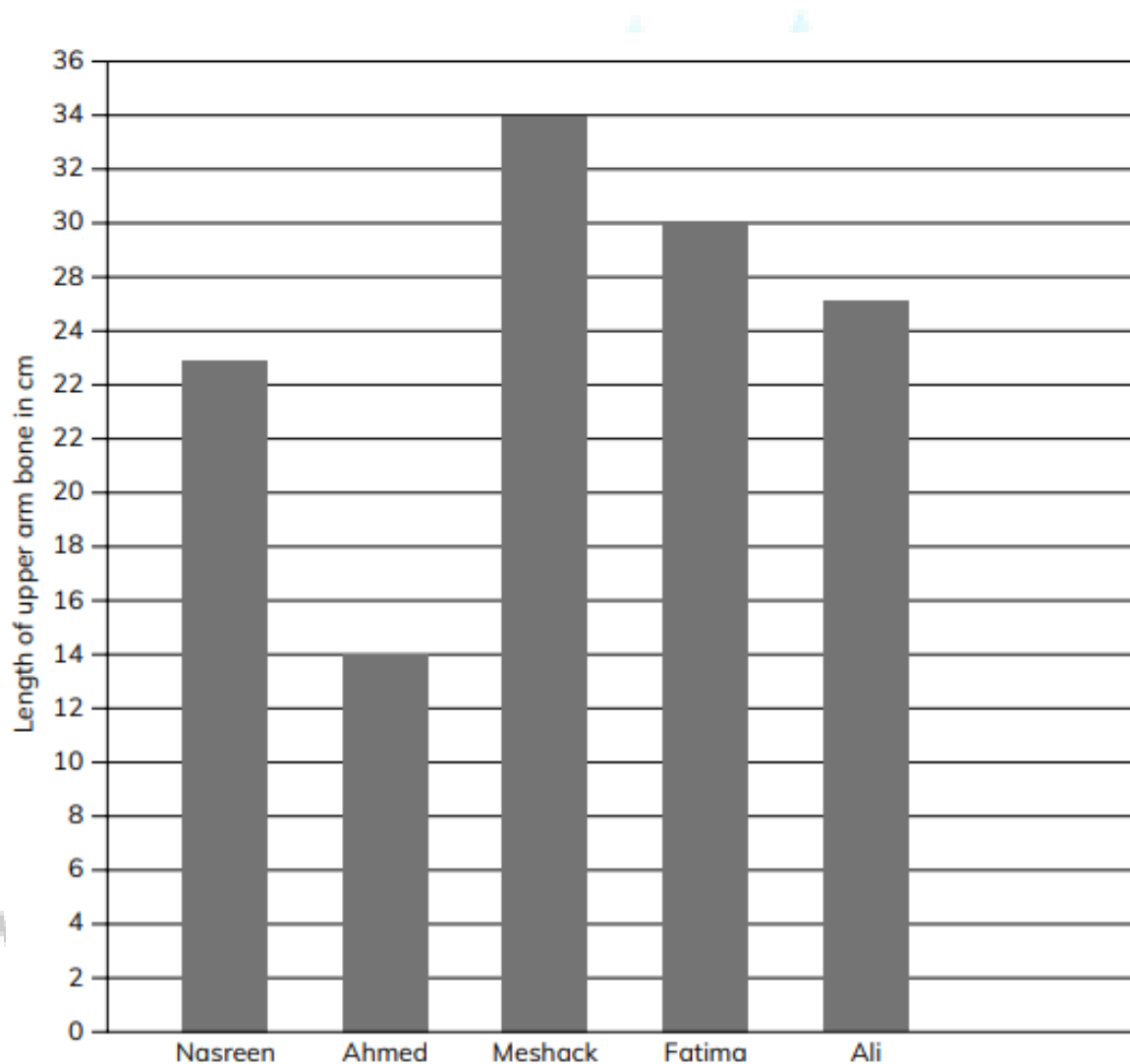
Questions:

- 1- Name three reasons why a skeleton is important.
 **A skeleton is important because it makes a frame that supports the body; it allows us to move; it protects organs inside the body and holds them in place.**
- 2- Explain what would happen to a baby if its skeleton did not grow.
 **The baby would stay small and not grow into a child.**
- 3- What is a fracture?
 **A broken bone**
- 4- How can doctors find out if a bone is broken?
 **They can take an X-ray picture.**
- 5- How do broken bones mend?
 **The ends of the bone grow back together.**
- 6- Why do you think some animals with skeletons are very big, but animals like worms are usually small?
 **The skeleton can grow big to support a large animal. A worm cannot grow very big because it does not have a skeleton to support it.**



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?

.....Meshack.....

2- How long is the shortest upper arm bone?

.....14 cm.....

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

Ali is the oldest. His upper arm bone is longer than Ahmed’s. Our bones get longer as we get older.

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

Ali, Nasreen, Ahmed. Ali has the longest upper arm bone, Ahmed has the shortest.

5- Who are Nasreen’s parents?

Fatima and Meshack

6- Explain how you know this.

They have the longest upper arm bones.

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

That skeletons grow and allow us to grow.

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.

Learners should add a bar that is shorter/lower than the bar for Ahmed’s arm bone length, e.g. 8 cm.

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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.

