

# A Human Structure

Name \_\_\_\_\_  
DT group \_\_\_\_\_ Tutor \_\_\_\_\_

This worksheet is designed to help you check your understanding of structures.

Answer the following questions:

1. Below is a drawing of a skeleton. Is it a **man made** structure or a **natural** structure?

Answer \_\_\_\_\_

2. Is the skull a **frame** or **shell** structure? Answer \_\_\_\_\_

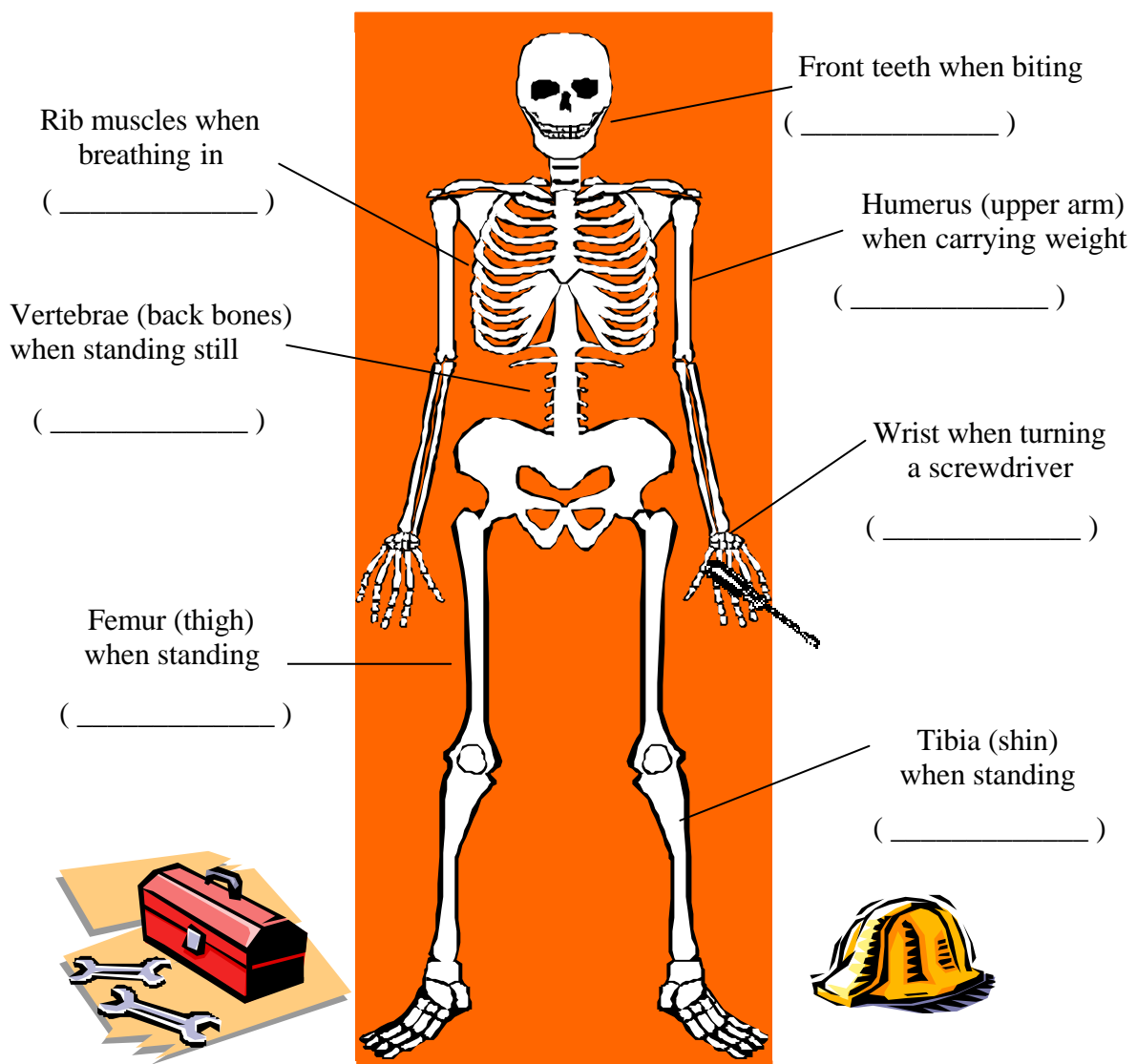
3. What type of structure is the rest of the skeleton? Answer \_\_\_\_\_

4. Next to each label write the main force each part of the body is designed to withstand.

Here are the names of the forces to help you when labelling:

**compression** (squeeze), **tension** (stretch), **torsion** (twist) and **shear** (cut).

*Only use the words written above in **bold** for your answers*



**Extension:** look in DT books to find a suspension bridge. Draw it and label the parts which are under compression and tension. You could explain why it is such a good invention.