Name:_____ Date: _____

Analyzing the Skeleton

1. The four main roles of the skeleton are:

_____ _____

_____ _____

2. State TEN things that we would NOT be able to do if we had no skeleton.

_____ _____

_____ _____

_____ _____

_____ _____

_____ _____

3. Complete the table of skeletal function with the examples given below.

Movement	Protection	Support

Ribcage around lungs and heart.	Standing.	Chewing
Sitting upright.	Body shape.	Skull around brain.
Running	Eye socket around eyeball.	Kicking and punching.

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4. State six areas of the skeleton where joints are important.

_____ _____

_____ _____

_____ _____

5. Go to the following site and write the steps required for a bone marrow transplant.
https://safemedtrip.com/wp-content/uploads/2013/12/BMT3.jpg

I _____

II_____

III_____

IV_____

V_____

6. During a police investigation, a femur of length 42cm in length was found. Help the criminologist to estimate the height o f the victim. Show working. Becky, a missing female was 150cm tall.
Use the equation: Height = (length of femur (in cm) x 2.6) + 65

Height of victim = _____cm
Is it Becky at the crime scene? _____

7. Dr. Deed, an archaeologist is on a dig in Africa and finds the femur of what he thinks is a member of the ancient people called *Homo uridorious* who did not grow taller than 120cm in height. The femur he found is 35cm long. Use the equation below to estimate the height of the person found and determine if it could be from *Homo uridorious*. Show working.

Height of person = _____ cm
Could the person be from *Homo uridorious*? _____

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