

# BONES

You will be given some bones (labeled a to t) and some charts of skeletons. Use them to answer the following questions. Be very careful with the bones because they are fragile and can be easily broken. Do not mark on the bones or on the charts or deface them in any way.

(1) Try to identify each of the bones. Write their names here:

- |           |           |
|-----------|-----------|
| (a) _____ | (k) _____ |
| (b) _____ | (l) _____ |
| (c) _____ | (m) _____ |
| (d) _____ | (n) _____ |
| (e) _____ | (o) _____ |
| (f) _____ | (p) _____ |
| (g) _____ | (q) _____ |
| (h) _____ | (r) _____ |
| (i) _____ | (s) _____ |
| (j) _____ | (t) _____ |

(2) You will be given four bones (w), (x), (y) and (z). These are some vertebrae from one animal. Examine them and guess which order they go in, from biggest to smallest.

BIG \_\_\_\_\_ SMALL

(3) Now **carefully** measure each vertebra in three different ways, of your choice. Write your measurements in the following Table. Explain each measurement by drawing a picture of a vertebra showing what distances you measured.

Vertebra	Measurement 1	Measurement 2	Measurement 3
(w)			
(x)			
(y)			
(z)			

(4) Diagram explaining Measurement 1:

(5) Diagram explaining Measurement 2:

(6) Diagram explaining Measurement 3:

(7) Now write the order of the vertebra, from biggest to smallest, based on the measurements you have made:

BIG \_\_\_\_\_ SMALL