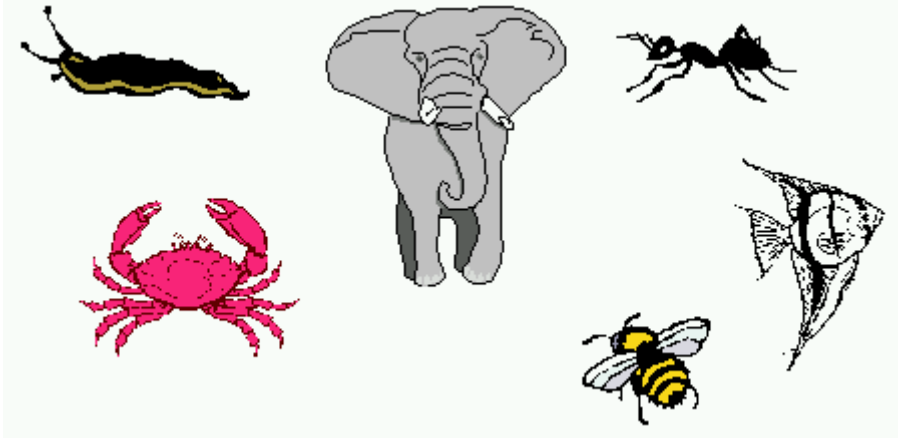


## SKELETONS AND MUSCLES

All animals have a definite shape. Skeletons inside or outside animals help to keep the shape of an animal. Crabs and cockroaches have a hard skeleton on the outside called an **exoskeleton**. Humans and birds have a skeleton on the inside called an **endoskeleton**.

Some animals don't have any skeletons but can still keep their shapes. Worms and jellyfish keep their shapes because of the large amount of water in the cells of their bodies.



1. Complete the table about animals pictured above:

Name of Animal	Does it have a skeleton? If so, is it internal or external?

2. Animals without skeletons are usually small and live in water.  
Why? \_\_\_\_\_

3. Would a human be able to move without a skeleton? \_\_\_\_\_

4. What would happen to your brain, heart and lungs if you had no skeleton? \_\_\_\_\_

5. What do you think are 3 functions of a skeleton? \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



6. Refer to your textbook to find the scientific names for these common bones in the table:

Common Name of Bone	Scientific Name of Bone
Skull	C _____
Spinal bones	V _____
Hipbone	P _____
Collarbone	C _____
Upper arm bone	H _____
Upper leg bone	F _____

7. Are bones alive or dead? Why do you think so? \_\_\_\_\_  
 \_\_\_\_\_

8. You have fewer bones now than when you were a baby. Why do you think this is so? \_\_\_\_\_  
 \_\_\_\_\_

9. Are the skeletons of males and females the same? Explain. \_  
 \_\_\_\_\_

10. During our lives, we walk and run a lot. Why don't our bones wear down? \_\_\_\_\_  
 \_\_\_\_\_

11. What would happen if the bones in our joints wore down? \_  
 \_\_\_\_\_

12. Move your arm up and down. Now move your thumb around. Do all joints have the same range of movement? Why or why not? \_\_\_\_\_