

## 4. Skeletal System

### Students in Your Group: \_\_\_\_\_

---

#### SKELETAL QUESTION 1:

<https://www.youtube.com/watch?v=fPBDRgG0vvs>

<http://kidshealth.org/kid/htbw/bones.html>

<http://www.getbodysmart.com/ap/nervoussystem/organization/general/tutorial.html>

1. What are the purposes of the skeletal system?
2. What is the tough, smooth, shiny substance called that is at the end of each bone?
3. What keeps our bones from scratching and bumping against each other when we move?
4. What are the long stretchy bands that hold our bones together?
5. What mineral do bones store?
6. What are the ring-shaped bones that are part of the spine?
7. How many bones do humans have?

**SKELETAL QUESTION 2:**

<http://kidshealth.org/kid/htbw/bones.html>

<http://hes.ucfsd.org/gclaypo/skelweb/skel01.html>

8. What are the 2 types of bone? What is the difference between the two?

9. What is at the center of bones? What is its purpose?

10. What are bones made of?

11. Are your bones alive? What do bone cells depend on to keep them alive? How do bone cells repair breaks in the bone?

**SKELETAL QUESTION 3:**

<http://hes.ucfsd.org/gclaypo/skelweb/skel01.html>

[http://www.kidsbiology.com/human\\_biology/skeletal-system.php](http://www.kidsbiology.com/human_biology/skeletal-system.php)

<http://www.getbodysmart.com/ap/nervoussystem/organization/general/tutorial.html>

12. What is in between each vertebrae and what purpose does it serve?

13. How many vertebrae do humans have?

14. How is a human spine different from most other mammals? How does this difference benefit humans?

15. What are the three types of vertebrae?

---

**SKELETAL QUESTION 4:**

<http://hes.ucfsd.org/gclaypo/skelweb/skel01.html>

<http://www.neok12.com/Skeletal-System.htm>

16. What is another name for the breastbone?

17. How many pairs of ribs do most humans have?

18. What connects the ribs to the sternum?

19. What protective function does the ribcage serve?

### SKELETAL QUESTION 5:

<http://kidshealth.org/kid/htbw/bones.html>

<http://www.getbodysmart.com/ap/nervoussystem/organization/general/tutorial.html>

### LOWER EXTREMITIES:

<http://www.aboutkidshealth.ca/en/howthebodyworks/introductiontotheskeleton/skeletonanatomy/pages/anatomyofthefootbones.aspx>

20. How many bones do you have in your foot?

21. Where are your tarsal bones? (They're in two different places).

22. Where are your metatarsal and phalange bones?

23. How does the arch in your foot help you?

24. What is the longest bone in your body?

### UPPER EXTREMITIES

<http://www.aboutkidshealth.ca/En/HowTheBodyWorks/IntroductiontotheSkeleton/SkeletonAnatomy/Pages/AnatomyoftheHandBones.aspx>

A person's height is usually about 4 times the length of his or her femur (long bone in the thigh).

25. How many bones are in your hands?

26. What 3 bones make up your arm?

**SKELETAL QUESTION 6:**

<http://kidshealth.org/kid/htbw/bones.html>

<http://www.sciencekids.co.nz/sciencefacts/humanbody/skeletonbones.html>

27. How do your bones allow you to move?

28. What are two types of moving joints and where would you find them?

29. How do bones grow?