

# The Human Skeleton

*The Skeletal System*, Professor Dave Explains, YouTube 07.01.2019, online: 10.10.2023.  
<https://www.youtube.com/watch?v=f-FF7Qigd3U>, dostep: 10.10.2023.

**I. Questions below are multiple-choice questions designed to assess your ability to remember/recall basic pieces of knowledge related to the subject of human skeleton. Mark your answers after watching the video *The Skeletal System* <https://www.youtube.com/watch?v=f-FF7Qigd3U>.**

1. There are two sections to the human skeleton: axial and appendicular, the former containing the skull, vertebral column and what else?

- a. thoracic cage
- b. the girdles

2. How many different bones make up the skull – the ones protecting the brain and the ones giving structure to the face?

- a. 2
- b. 12
- c. 22

3. What are most cranial bones like?

- a. flat
- b. irregular
- c. short

4. Which word stands for the serrated lines connecting cranial bones?

- a. sews
- b. sutures
- c. stitches

5. The cranium consists of a ... and a ..., the latter of which is divided into three cranial fossae – anterior, middle and posterior.

- a. base/vault
- b. vault/base

6. The skull houses the brain, which sits in the cranial ... .

- a. cavity
- b. hole
- c. pit

7. What do the orbits house?

- a. nose
- b. ears
- c. eyes

8. Which of these are cranial bones? Tick all correct options.

coronal

ethmoid
frontal
lambdoid
occipital
occipitomastoid
parietal
sagittal
sphenoid
squamous
temporal

9. What are the following sutures in English?

<i>Polish</i>	<i>English</i>
potyliczno-sutkowy	
strzałkowy	
węłowy	
wieńcowy	
skroniowo-ciemieniowy	

10. Which is the plural form of "foramen", meaning a hole that nerves, arteries and veins pass through?

- a. foramens
- b. foramina

11. What is the name of the foramen through which the spinal cord passes at the base of the skull?

- a. maximum
- b. magnum

12. The only part of the skull that can move is the ... .

- a. mandible
- b. hyoid

13. The 14 facial bones include ... bones, which form the upper jaw and part of the face.

- a. vomer
- b. maxillary

14. Which bone is a paired irregular bone which articulates with the maxilla, also known as the cheekbone?

- a. palatine
- b. lacrimal
- c. zygomatic

15. Can you name the five sections of the spine as they go from top to bottom?

- 1.
- 2.
- 3.

4.

5.

16. Do the vertebrae get larger as they go up or as they go down so as to support more and more weight?

- a. up
- b. down

17. Which of these is composed of very small vertebrae that have fused?

- a. coccyx
- b. sacrum

18. If the vertebrae are kept together by ligaments that are longitudinal, in what direction are these ligaments running?

- a. transverse
- b. lengthwise
- c. oblique

19. Which is the more elastic part of an intervertebral disc?

- a. anulus fibrosus
- b. nucleus pulposus

20. All individual vertebrae have a body and an arch. Besides two pedicles, what is the latter composed of?

- a. processes
- b. laminae

21. What is the rear-most projection of a vertebra known as?

- a. spine
- b. spinous
- c. spinal

22. Can you match these vertebrae with their descriptions?

cervical	spinous process – long and pointing down, demifacets connecting to the ribs
thoracic	short and thick pedicles and laminae
lumbar	short spinous process, large vertebral foramen, transverse foramen to accommodate vertebral arteries

23. The sternum is a flat bone composed of three fused bones: body, manubrium, and xiphoid process. Order them as they go from top to bottom – which is first, second, and third?

- 1.....
- 2.....
- 3.....

24. Which term refers to the first seven pairs of ribs that attach directly to the sternum via costal cartilage?

- a. actual
- b. true
- b. real

25. Which term refers to the ribs that don't attach to the sternum at all?

- a. false
- b. floating
- c. loose

26. Ribs are flat bones. Do they get longer or shorter going from 8 to 12?

- a. longer
- b. shorter

27. In the appendicular skeleton, the ... girdle is comprised of the clavicle and the scapula, which together give structure to the shoulder.

- a. upper
- b. pectoral

28. The clavicle has a/an ... end, where it attaches to the manubrium, and a/an ... end, which joins the scapula.

- a. acromial/sternal
- b. sternal/acromial

29. What is the shape of the scapula?

- a. rectangular
- b. triangular
- c. square

30. Where can the humerus be found?

- a. forearm
- b. upper arm

31. The humerus has a complex structure – can you translate its parts into Polish?

greater/lesser tubercle	
radial groove	
medial/lateral epicondyle	
radial/coronoid fossa	
trochlea	
capitulum	

32. In the forearm, the ulna and the radius are connected all the way down by the ... membrane, which is a flexible ligament.

- a. interosseous
- b. intraosseous

33. Which one is slightly longer, and has olecranon and coronoid processes?

- a. ulna
- b. radius

34. Does the radius go from wide to thin all the way up or down?

- a. up
- b. down

35. Which one out of the following carpals is spelled incorrectly?

- a. scaphoid
- b. lunate
- c. triquetrum
- d. pisiform
- e. trapezium
- f. trapezoid
- g. capitate
- h. hamate

36. The five metacarpals, which make up the palm of the hand and connect to the phalanges, are named one through five from ... .

- a. pinky to thumb
- b. thumb to pinky

37. Which finger has just two phalanges?

- a. thumb
- b. pinky

38. How many fused bones make up each hip bone in an adult skeleton?

- a. two
- b. three

39. The femur has a small pit in its head – what's its name?

- a. gluteal tuberosity
- b. intertrochanteric crest
- c. fovea capitis
- d. greater trochanter
- e. lesser trochanter
- f. linea aspera

40. Which is larger of the two leg bones and has a fibular notch?

- a. tibia
- b. fibula

41. Is there an interosseous membrane between tibia and fibula?

- a. Yes
- b. No

42. How many tarsals are there in the tarsus?

- a. 7
- b. 8
- c. 9

43. Which big tarsal, apart from the talus, makes up the ankle?

- a. calcaneus
- b. cuboid
- c. navicular

44. Are metatarsal bones numbered one through four or five?

- a. one through four
- b. one through five

45. How many phalanges are there in the hallux?

- a. 1
- b. 2
- c. 3

**II. How many did you get right? Where did you go wrong?**

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