| upper respiratory tract or the lower respiratory tract. |
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| Which structures are included in the tracheobronchial tree of the respiratory tract? List the structures in order from proximal to distal. |
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| 15 |
| Which area in the tracheobronchial tree is the most sensitive area associated with cough reflex? (16) |
| Within the nasal cavity, there is a structure that is composed of both bones and cartilage. It separates the nasal cavity into two halves. What is this structure? (17) |
| Name the structure that the nasal cavity opens into. (18) Under normal situation, only air can enter this structure. |
| What is the name of the structure that separates the nasal cavity from the oral cavity? (19) |
| The air-filled cavities in the skull around and connect to the nasal cavity are called (20) |
| Give 3 examples of these cavities. (21) |
| and (23) (Their names correspond to their location in the skull, you |
| |
| |

Name the structures that compose the respiratory tract. Indicate for each structure whether it belongs to the

| will learn the structure of the skull later). A function of these cavities is to allow resonance during voice production. |
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| The larynx is made up of cartilages covered by mucosa. The (24) is a piece of cartilage in the larynx. It depresses to cover the entrance to the trachea to prevent food or fluid from entering the trachea during swallowing. If food or fluid enters the lower respiratory system, this condition is called (25) |
| The pharynx is composed of 3 parts. The (26) is located posterior to the nasal cavity |
| The (27) is located posterior to the oral cavity and the tongue. The |
| (28) is located posterior to the larynx. |
| The trachea is supported by (29) so that it does not collapse. On the |
| posterior side is a smooth muscle (the trachealis), which is innervated by the (30) |
| nervous system to controls contraction [through stimulation by (31) division] and |
| relaxation [through stimulation by (32) division] of the smooth muscle, which changes the trachea to alter air flow. |
| The central compartment in the thorax that separated the left and right lungs is called the (33) |
| (34) The left lung has |
| (35) The right lung has |
| The functionally independent respiratory units of the lungs are called (36) Each of them is supplied by a (37) bronchus and a tertiary branch of the pulmonary artery which run anteriorly along the corresponding bronchus. |
| The left and right lungs are enclosed by individual serous pleural sac that consists of 2 continuous membranes – the pleurae. Name the pleurae and indicate which surface each of the pleura adheres to. |
| (38) |
| (39) |
| The lungs do not completely fill the pleural cavity during expiration. The potential pleural spaces are called (40)recesses [located at where the costal pleural meets the |
| diaphragmatic pleura] and (41) recesses [located at where the costa |
| pleura meets the mediastinal pleura]. |
| Each lung receives blood supply from a (42), which branches into a dense capillary network that surround the alveoli for gas exchange. The oxygenated blood is then drained back to the (43) of the heart through (44) (how many?) pulmonary veins. The |
| |

| bronchial tree rec | eives blood | supply from | the (45) | | , which are branches of the |
|---|---|----------------------------------|---|--|---|
| descending aorta. | | | | | |
| The (46) | is located | I on the med | ial aspect o | f each lung | and provides the only route via which other |
| | | | | | (47) |
| (48) | | | , (49) | | |
| lymphatic vessels at the visceral and par | | | s the point o | of attachme | ent for the lung root and is the point at which |
| The sternal angle (a level of which rib? | | | | | of the sternum can be palpated at the |
| to the sternum. The costal cartilages. The are located at the | ne (54) ne remaining (55) from superic | ribs are floa Lor to deep: (5 | are false r ing ribs tha petween ad | ibs that at t do not att jacent ribs | ribs are true ribs that attach directly tach to the sternum indirectly through the tach to the sternum. The intercostal muscles There are 3 layers of intercostal muscles, (57) |
| The diaphragm has the corresponding | | | | es into the | e abdominal cavity. Name the openings and |
| (59) | | | | | |
| (60) | | | | | |
| (61) | | | | | |
| The diaphragm is in | nervated by | the (62) | | nerve, whic | ch runs anterior to the (63) |
| The principle inspir | ratory muscl | es are (42) | | | - |
| Quite expiration is active when breat | a passive pro hing rate an | cess in which d depth incr | no muscle: eases durin | contractions contractions | on is involved. However, expiration becomes reathing. The muscles that assist in forced |
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