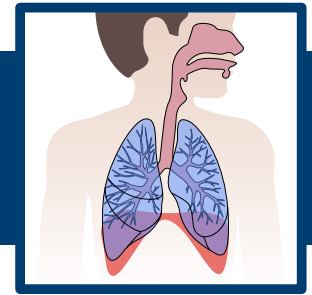


## LESSON 1: MAPPING PULMO PARK

### Activity 1B: *Reverse Lung Dissection*



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For this activity, you will use the reverse lung dissection model to help answer the following questions. This can be done as you assemble the model or after the model is complete. Below is a listing of the different layers, from back to front. It may be helpful to refer to the background information from Activity 1A.



- › **Layer 1 (two sections):** vertebrae and back ribs
- › **Layer 2:** mediastinum and diaphragm
- › **Layer 3:** back (posterior) lungs
- › **Layer 4:** bronchi
- › **Layer 5:** alveoli
- › **Layer 6:** pulmonary arteries
- › **Layer 7:** pulmonary veins
- › **Layer 8:** heart
- › **Layer 9:** front (anterior) lung
- › **Layer 10 (two sections):** sternum and front ribs

**As you assemble the layers, answer the following questions:**

1. **What** do you think happens to each layer as we breathe?

Layer 1: \_\_\_\_\_

Layer 2: \_\_\_\_\_

Layer 3: \_\_\_\_\_

Layer 4: \_\_\_\_\_

Layer 5: \_\_\_\_\_

Layer 6: \_\_\_\_\_

Layer 7: \_\_\_\_\_

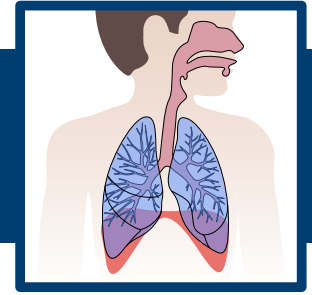
Layer 8: \_\_\_\_\_

Layer 9: \_\_\_\_\_

Layer 10: \_\_\_\_\_

# LESSON 1: MAPPING PULMO PARK

## Activity 1B: *Reverse Lung Dissection*



2. **Why** are the structures in each layer made this way?

Layer 1: \_\_\_\_\_

Layer 2: \_\_\_\_\_

Layer 3: \_\_\_\_\_

Layer 4: \_\_\_\_\_

Layer 5: \_\_\_\_\_

Layer 6: \_\_\_\_\_

Layer 7: \_\_\_\_\_

Layer 8: \_\_\_\_\_

Layer 9: \_\_\_\_\_

Layer 10: \_\_\_\_\_

3. **How** does each layer affect or interact with other layers?

Layer 1: \_\_\_\_\_

Layer 2: \_\_\_\_\_

Layer 3: \_\_\_\_\_

Layer 4: \_\_\_\_\_

Layer 5: \_\_\_\_\_

Layer 6: \_\_\_\_\_

Layer 7: \_\_\_\_\_

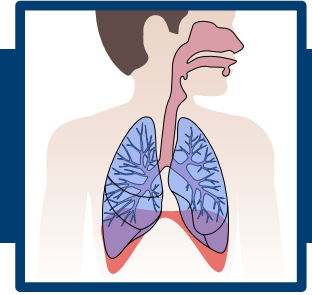
Layer 8: \_\_\_\_\_

Layer 9: \_\_\_\_\_

Layer 10: \_\_\_\_\_

# LESSON 1: MAPPING PULMO PARK

## Activity 1B: *Reverse Lung Dissection*



4. **What** can interfere with the processes occurring in this layer?

Layer 1: \_\_\_\_\_

Layer 2: \_\_\_\_\_

Layer 3: \_\_\_\_\_

Layer 4: \_\_\_\_\_

Layer 5: \_\_\_\_\_

Layer 6: \_\_\_\_\_

Layer 7: \_\_\_\_\_

Layer 8: \_\_\_\_\_

Layer 9: \_\_\_\_\_

Layer 10: \_\_\_\_\_

5. **Why** is this layer important to respiratory function?

Layer 1: \_\_\_\_\_

Layer 2: \_\_\_\_\_

Layer 3: \_\_\_\_\_

Layer 4: \_\_\_\_\_

Layer 5: \_\_\_\_\_

Layer 6: \_\_\_\_\_

Layer 7: \_\_\_\_\_

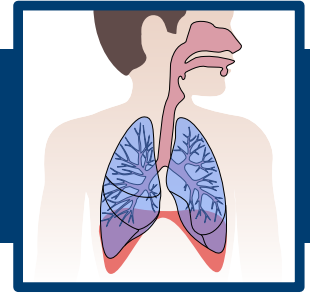
Layer 8: \_\_\_\_\_

Layer 9: \_\_\_\_\_

Layer 10: \_\_\_\_\_

# LESSON 1: MAPPING PULMO PARK

## Activity 1B: *Reverse Lung Dissection*



6. **How** does this layer impact other body systems?

Layer 1: \_\_\_\_\_

Layer 2: \_\_\_\_\_

Layer 3: \_\_\_\_\_

Layer 4: \_\_\_\_\_

Layer 5: \_\_\_\_\_

Layer 6: \_\_\_\_\_

Layer 7: \_\_\_\_\_

Layer 8: \_\_\_\_\_

Layer 9: \_\_\_\_\_

Layer 10: \_\_\_\_\_