

# Do Now (3 min)

## 1-7-11

1. What major body cavities are contained within the **axial portion** of the body? The **appendicular portion**?

# Major Body Cavities: The Organs Inside

1-7-11

# Agenda

## 1/7/11

1. Do Now (3 min)
2. Objectives (2 min)
3. Body Cavities and Organ Posters (35 min)
4. Closing (1 min)
5. Exit Slip (none)
6. Participation Grades (1 min)

## Objectives (2 min)

- Content (The objectives you'll master today)
- **SWBAT:**
  1. Create a diagram of all the major body cavities and the major organs in each. *Define each of the bodily materials*
  2. *Label the major body cavities*
- Language (How you will master the objectives)
- **By:**
  1. Reading information from p. 8-9 in *Essentials of Human Anatomy & Physiology*, drawing a poster, and writing labels

# Body Cavity and Organ Posters (35 min)

Objective: SWBAT: *Create a diagram of all the major body cavities and the major organs in each by reading information from p. 8-9 in Essentials of Human Anatomy & Physiology, drawing a poster, and writing labels.*

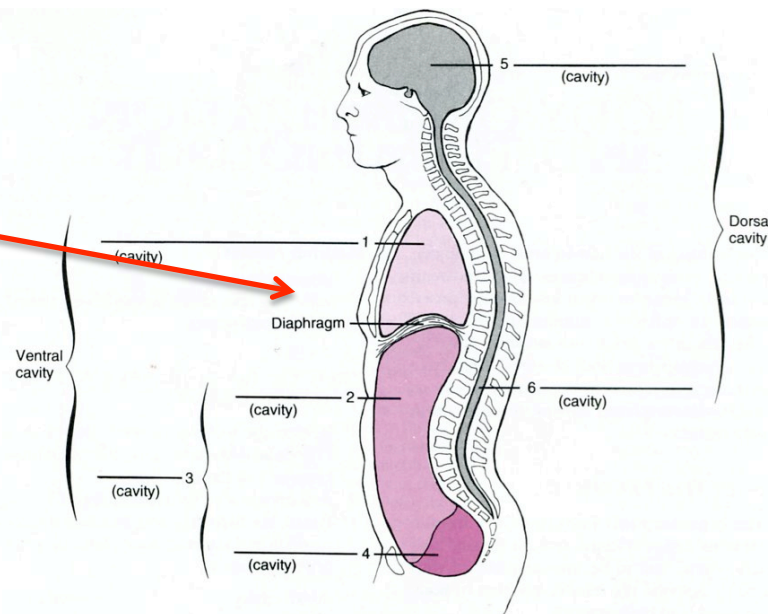
Cavity: an empty space within a solid object

You will roughly  
draw the diagram to  
the right.

In other words...do  
not waste too much  
time on the artistic  
aspect.

I would prefer a  
completed poster  
that is less artistic.

I do not prefer an  
incomplete poster  
that is super artistic



# Major Body Cavities Posters

**SWBAT: (Content)** Create a diagram of all the major body cavities and the major organs in each **(Language)** by reading information from p. 8-9 in *Essentials of Human Anatomy & Physiology*, drawing a poster, and writing labels.

Here's the assignment:

Part of Poster	2	1	0
<b>1. Group Members</b>	<u>All</u> group members work together to help create the poster.	<u>Some</u> group members work together to create the poster	<u>No</u> group members work together to create the poster
<b>2. Overall Presentation</b>	Your posters design is <u>neat, easy to read from afar</u> and <u>well organized</u>	Your posters design is <u>messy, challenging to read from afar</u> and <u>disorganized</u>	Your posters design is <u>sloppy, impossible to read from afar</u> and is <u>chaotic</u>
<b>3. Labels</b>	<u>All 20 cavities and organs</u> are correctly and clearly labeled	<u>15 cavities and/or organs</u> are correctly and clearly labeled	<u>Less than 15 cavities and/or organs</u> are clearly and correctly labeled
<b>4. Poster Title</b>	The title "Major Body Cavities: The Organs Within" is <u>clearly written at the top of the poster</u>	The title "Major Body Cavities: The Organs Within" is <u>clearly written</u>	The title "Major Body Cavities: The Organs Within" is <u>not clearly written</u>
<b>5. Body Cavities</b>	<u>All 8</u> major cavities (based on the in-class handout) are correctly drawn on the poster	<u>5-7</u> major cavities (based on the in-class handout) are correctly drawn on the poster	<u>Less than 5</u> major cavities (based on the in-class handout) are correctly drawn on the poster
<b>6. Organs</b>	Your poster includes <u>printed pictures of all 12</u> of the following: brain, heart, spinal cord, lungs, stomach, liver, spleen, gallbladder, small intestine, large intestine, urinary bladder, <u>located in the correct cavities</u>	Your poster includes <u>printed pictures of 6-11</u> of the following: brain, heart, spinal cord, lungs, stomach, liver, spleen, gallbladder, small intestine, large intestine, urinary bladder, <u>located in the correct cavities</u>	Your poster includes <u>printed and/or hand drawn pictures of less than 6</u> of the following: brain, heart, spinal cord, lungs, stomach, liver, spleen, gallbladder, small intestine, large intestine, urinary bladder, <u>some of which are located in</u>

# Body Cavity and Organ Posters (35 min)

Objective: SWBAT: *Create a diagram of all the major body cavities and the major organs in each by reading information from p. 8-9 in Essentials of Human Anatomy & Physiology, drawing a poster, and writing labels.*

**Cavity:** an empty space within a solid object

## ORGANIZATION OF THE HUMAN BODY

The human organism is a complex structure composed of many parts. Its major features include several body cavities, layers of membranes within these cavities, and a variety of organ systems.

## BODY CAVITIES

The human organism can be divided into an **axial portion**, which includes the head, neck, and trunk, and an **appendicular portion**, which includes the arms and legs. Within the axial portion there are two major cavities—a **dorsal cavity** and a larger **ventral cavity** (fig. 1.6). The organs within such a cavity are called *visceral organs*. The dorsal cavity can be subdivided into two parts—the **cranial cavity** within the skull, which houses the brain; and the **spinal cavity**, which contains the spinal cord and is surrounded by sections of the backbone (vertebrae). The ventral cavity consists of a **thoracic cavity** and an **abdominopelvic cavity**.

The thoracic cavity is separated from the lower abdominopelvic cavity by a broad, thin muscle, called the *diaphragm*. The wall of the thoracic cavity is composed of skin, skeletal muscles, and various bones. The viscera within it include the lungs.

The abdominopelvic cavity, which includes an upper abdominal portion and a lower pelvic portion, extends from the diaphragm to the floor of the pelvis. Its wall consists primarily of skin, skeletal muscles, and bones. The visceral organs within the *abdominal cavity* include the stomach, liver, spleen, gallbladder, and most of the small and large intestines.

The *pelvic cavity* is the portion of the abdominopelvic cavity enclosed by the pelvic bones and below the pelvic brim (chapter 7). It contains the terminal portion of the large intestine, the urinary bladder, and the internal reproductive organs.

Smaller cavities within the head include the following:

1. **Oral cavity**, containing the teeth and tongue.
2. **Nasal cavity**, located within the nose and divided into right and left portions by a nasal septum. Several air-filled *paranasal sinuses* are connected to the nasal cavity (see chapter 7). These include the frontal and sphenoidal sinuses shown in figure 1.7.
3. **Orbital cavities**, containing the eyes and associated skeletal muscles and nerves.
4. **Middle ear cavities**, containing the middle ear bones (fig. 1.7).

## Closing (1 min)

- Content (The objectives you'll master today)
- **SWBAT:**
  1. Create a diagram of all the major body cavities and the major organs in each. *Define each of the bodily materials*
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# Exit Slip (none)

- None today



# Participation Grades (1 min)

- Each day **YOU** will decide the grade you deserve...Though, I reserve the right to change these.
- Your 5-point daily participation grade is based on CLA's core-values:
  - CLA Students are S.M.A.R.T.
    - S = Self-Controlled
    - M = Motivated
    - A = Accountable
    - R = Respectful
    - T = Timely
  - One point for each core-value
    - (5 points possible each day)
- What do you deserve today?