

Name:

Date:

Class:

Links & Run Times

1. https://www.youtube.com/watch?v=tg_ObDJEaGo

You will play a video and ask the following “check for understanding” questions throughout the video:

- a. At 1 minute 30 seconds, pause the video and say:
 - i. “Let’s pause here. What is the primary function of the heart? In your own words, how would you describe what the heart does in the body?”
 - b. Expected student responses / key ideas:
 - i. The heart pumps blood around the body.
 - ii. It circulates oxygenated blood to organs and tissues, and deoxygenated blood back to the lungs.
 - iii. It acts like a pump or a strong muscle.
 - iv. Without the heart pumping, the body’s cells wouldn’t get oxygen or nutrients.
 - c. Teacher response:
 - i. “Yes, exactly. The heart is the central pump of the circulatory system, moving blood so that oxygen and nutrients get to all parts of our body and so that waste (like carbon dioxide) can be removed.”
 - d. (Resume video)
 - e. Pause at 2 minutes and 45 seconds and ask:
 - i. “When blood leaves the heart, where is it going, and why?”
 - ii. What happens to blood after it leaves the heart?”
 - f. Expected student responses / key ideas:
 - i. Blood leaves the heart and goes to the lungs (to pick up oxygen) and/or body tissues.
 - ii. Oxygenated blood goes out via arteries, delivers oxygen/nutrients, and then returns via veins.
 - iii. The heart sends blood out via the aorta and other major arteries.
 - iv. Deoxygenated blood returns to the heart and then to the lungs to get oxygen.
 - g. Teacher response:

“Great, so you can see how blood is part of a loop. The heart sends it out and it travels, delivers what’s needed, and returns. This continuous circulation is what keeps our body functioning.” (Resume video)
2. <https://www.youtube.com/watch?v=pIPV1n2A9LI>
 - a. Play the whole video; this is to activate prior knowledge.
 3. <https://www.youtube.com/watch?v=LtUefo9Taus>
 - a. Play the whole video.
 4. <https://www.youtube.com/watch?v=r0RISnX-cnc>
 - a. Play the whole video.

BROUGHT TO YOU BY