

### 3.4: Food Web Video Worksheet

Answer #1-6 **during** the video. Use the time cues to know when to listen for answers.

1. (0:34) **PAUSE VIDEO.** The narrator says that all of the matter that makes up our bodies is “two or three degrees of separation from things like pond scum.” What does this mean? Explain what you think this means in your own words.

*Hint: Use what you know about how carbon moves from pool to pool in an ecosystem to support your answer.*

---

---

---

2. (0:44) Complete this statement: “All species in an ecosystem, from the creatures in a coral reef, to the fish in a lake, to lions on a savanna, are directly or indirectly nourished by \_\_\_\_\_.”

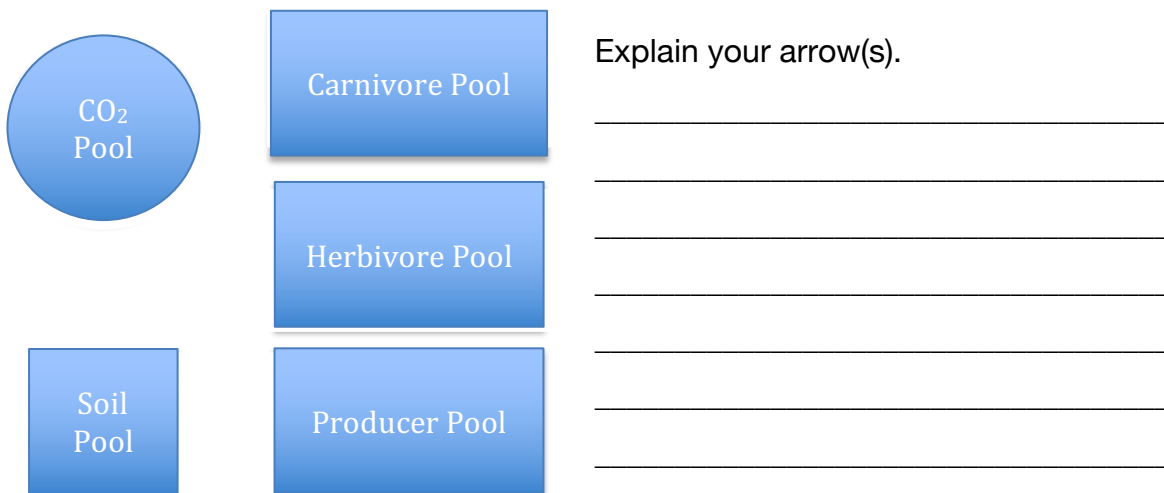
3. (1:48) **PAUSE VIDEO.** What is detritus made of?

---

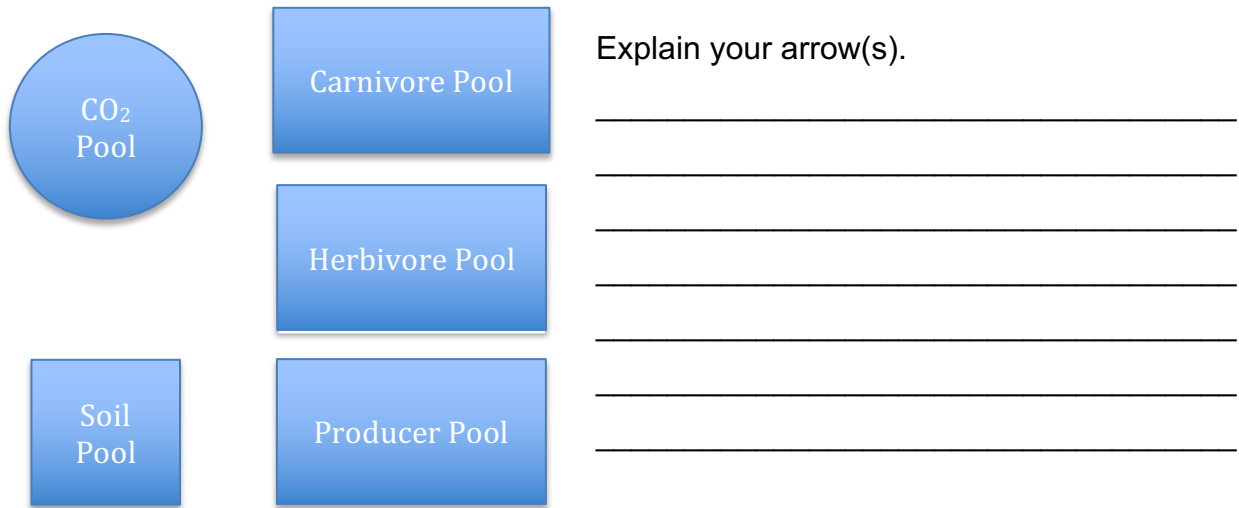
---

---

4. (2:10) **PAUSE VIDEO.** The narrator just said that animals in food chains shed organic matter and waste. Use arrow(s) below to show what is happening to matter and energy when a deer dies and this happens. Explain your arrow(s) on the right.



5. (2:31) **PAUSE VIDEO.** Use arrow(s) to show how matter and energy from detritus would make it into the body of a human. Then on the right, explain your arrow(s).



6. (2:51) **PAUSE VIDEO.** Why are there so many arrows pointing to the detritus?

---

---

---

---

---

7. **AFTER VIDEO ENDS.** Why is detritus so important to food webs?

---

---

---

---

---