

Video Clips and Group Discussion Notes

Watch the video clips. Be ready to discuss how these behaviors increase the fitness of the species.

Group Hunting Clips:

Killer Whales on Beach (4 min) <https://www.youtube.com/watch?v=E1dg9pVQp3M>
Killer Whales Deep Water (3 min) <https://www.youtube.com/watch?v=p3xmqbNsRSk>
Lions Hunting Buffalo (4 min) <https://www.youtube.com/watch?v=IC5gZuOX60>
Dolphin Cooperative Hunt (3 min) <https://www.youtube.com/watch?v=-xm9PjKdf00>

- a. **Killer Whales:** Describe the behaviors of killer whales in **deep water** versus on the **beach**.

What is the effect of each behavior? Be specific.

- b. **Lions:** What is the primary advantage of hunting in a pride?

Explain the other cooperative behavior discussed in the video.

- c. **Dolphins:** Why are dolphins able to strategize and effectively hunt cooperatively?

Explain the specialization of roles in a dolphin hunt.

- d. How does group hunting increase the success of the species?

- e. Does group hunting increase fitness? Explain.

How do organisms communicate? Clips:

Can monkey's talk? (3:36) <https://www.youtube.com/watch?v=q8ZG8Dpc8mM>
(1:00) <https://youtu.be/q8ZG8Dpc8mM>

What is the response of a Vervet monkey, *Chlorocebus pygerythrus*, when it hears the following alarm calls?

- A "leopard" call?
- A "hawk or eagle" call?
- A "snake" call?
- Given the Vervet monkey's responses to specific calls, are they using language? Explain your reasoning fully.

How Do Tigers Communicate? (1:33) <http://www.youtube.com/watch?v=LL99pufzHjo>

(2:53 OPTIONAL) https://www.youtube.com/watch?v=kL_3J34NSrY

- List different ways tigers (*Panthera tigris*) communicate?
- How is smell involved in tiger communication?
- Is using different smells analogous to using different words? Explain your reasoning.