

Name: _____

Period: _____

Cosmos: A Spacetime Odyssey

Episode 2: Some of the Things That Molecules Do. Original air date: March 16, 2014

1. Explain how the wolf was changed through artificial selection and selective breeding into the dog breeds of today.
2. How is it possible for mutations and natural selection to have led to the existence of polar bears?
3. How is it possible for human eyes to have evolved from simple chemicals in bacteria?
4. What has happened after each of the five great Extinction events?
5. What on Earth (and in space) is a tardigrade?
6. Why is Saturn's moon Titan a possible location for life outside of our planet?
7. What makes Titan's weather so different from Earth?