

QUIZ 4B NOTES

VOCABULARY

Traits – characteristics that are passed from one generation to another

Niche – the specific role a species has in its environment.

- How it meets its needs for: food and shelter
- How it reproduces
- How it interacts with the biotic and abiotic factors of its environment

Adaptations – traits that increase the chance of survival and reproduction success of a species

Structural Adaptations – an organism's tools for survival; physical structures on an organism

Behaviors – help organisms respond to the environment in order to survive

Behavioral Adaptations – actions in response to the environment; inherited or learned behaviors

- **Hibernation** – when an animal spends winter in a dormant state
- **Migration** – seasonal movement of a species from one area to another
- **Phototropism** – plants moving toward or away from light

CHANGES OVER TIME

What causes changes over time?

1.
 - ○ EXAMPLES:
2.
 - ○ EXAMPLES:
 - 1.
 - 2.
 - 3.

STRUCTURAL ADAPTATIONS

Examples

- using eyes, ears, or nose to detect __
- ability to chase __ or run away from a predator
- specialized mouth structures or __ to eat the kind of food in the environment
- ability to __ from predators or protect themselves from the environment
- plants adapt to __ water in dry habitats or have good root systems in wet environments



BEHAVIORAL ADAPTATIONS

LEARNED Behavior – determined by past experience or observing others; Examples: __

INNATE Behavior – inherited, sometimes called *behavioral instinct*; Examples: __