

Part One: Read each of the eight biome descriptions. Each lists things that animals or plants would have to survive in that biome. Match each one to the correct biomes that exist on Earth.

BIOME ONE

ANIMAL ADAPTATIONS

- Thick down
- Large body size – to help retain body heat
- Small ears – to keep heat from escaping body
- Hibernation
- Migration during cold periods
- Change color from brown in summer to white in winter

PLANT ADAPTATIONS

- Low vegetation to avoid high winds
- Ability to grow quickly during a short summer season
- Ability to grow in wet soil
- Ability for grass to grow quickly if eaten at surface

WHAT BIOME IS THIS? : _____

BIOME TWO

ANIMAL ADAPTATIONS

- Scaly skin to hold in water
- Thin fur/feather layers
- Estivate
- Survive with drinking little to no water
- Large ears to let heat out of body
- Be nocturnal (active at night) to escape heat of the day
- Gets majority of water from food they eat

PLANT ADAPTATIONS

- Spines on plants to prevent things from eating them to get to the plant’s water
- Ability to survive in long droughts
- Succulent; ability to store water

WHAT BIOME IS THIS? : _____

BIOME THREE

ANIMAL ADAPTATIONS

- Ability to climb through trees
- Camouflage coloring to blend into different light levels in and under the canopy
- Poisonous to fend off other organisms
- Mimic other creatures
- Ability to eat a variety of foods

PLANT ADAPTATIONS

- Ability to grow quickly to get sunlight
- Ability to grow under canopy and only use small amounts of light
- Leaves grow broad and wide to catch light
- The ability to grow on top of other plants

WHAT BIOME IS THIS? : _____

BIOME FOUR

ANIMAL ADAPTATIONS

- Thick down
- Large body size – to help retain body heat
- Small ears – to keep heat from escaping body
- Hibernation
- Migration during cold periods
- Change color from brown in summer to white in winter

PLANT ADAPTATIONS

- Cone-shaped trees – avoid snow pile up from breaking branches
- Leaves in form of needles to keep water from being lost
- Leaves have cuticle to keep water from being lost

WHAT BIOME IS THIS? : _____

BIOME FIVE

ANIMAL ADAPTATIONS

- Scaly skin to hold in water
- Thin fur/feather layers
- Camouflage into dry environment
- Survive with drinking little to no water
- Large ears to let heat out of body
- Be nocturnal (active at night) to escape heat of the day
- Estivate

PLANT ADAPTATIONS

- Plants regrow quickly after fire
- Serotinous seeds
- Shrubby systems that grow well in dry areas
- Plants give off oils to set themselves on fire
- Succulent; ability to store water

WHAT BIOME IS THIS? : _____

BIOME SIX

ANIMAL ADAPTATIONS

- Burrowing ability in soil
- Camouflage coloring to blend into grass/soil
- Hibernation
- Migration during cold periods

PLANT ADAPTATIONS

- Deep root systems; allow plant to regrow easily if destroyed above the ground
- Plants regrow quickly after fire
- Plants flexible to deal with high winds
- Serotinous seeds

WHAT BIOME IS THIS? : _____

BIOME SEVEN

ANIMAL ADAPTATIONS

- Ability to climb through trees
- Camouflage coloring to blend into different light levels in and under the canopy
- Hibernation
- Migration during cold periods
- Storage of food for colder periods

PLANT ADAPTATIONS

- Ability to grow quickly to get sunlight
- Ability to grow under canopy and only use small amounts of light
- Leaves grow broad and wide in summer to catch light
- Leaves fall off for winter to save energy

WHAT BIOME IS THIS? : _____

BIOME EIGHT

ANIMAL ADAPTATIONS

- Scaly skin to hold in water
- Thin fur/feather layers
- Ability to move large distances to find food
- Survive with drinking little to no water
- Large ears to let heat out of body
- Be nocturnal (active at night) to escape heat of the day
- Estivate

PLANT ADAPTATIONS

- Plants regrow quickly after fire
- Serotinous seeds
- Large root systems to allow grass to regrow when destroyed
- Succulent; ability to store water

WHAT BIOME IS THIS? : _____

PART TWO: After reading about the adaptations of animals and plants to survive in each biome, now make a list of 4 adaptations that one typically has to live in the general description of each environment.

- COLD ENVIRONMENTS:
 - List 4 adaptations that would help plants/animals live in cold environments

- HOT ENVIRONMENTS:
 - List 4 adaptations that would help plants/animals live in hot environments

- FIRE FREQUENT ENVIRONMENTS:
 - List 4 adaptations that would help plants/animals live in fire frequent environments

- FORESTED ENVIRONMENTS:
 - List 4 adaptations that would help plants/animals live in forested environments