**Biodiversity Concepts – Learning Tasks**

**Biodiversity**

* definition
* 3 types
* Importance of maintaining
* Keystone species

Reading: p. 264-265

Questions: 128,129,130,131,132; 160-161

**Adaptations to Diverse Environments**

* 3 types

Reading: p. 284-288

Questions: 140-145

**Ecological Niches & Diversity**

* Definition (unique role/place they play/occupy)
* Patterns in ecosystems (horizontal and vertical; zonation and stratification)
* How niches lead to and allow for adaptations

Reading: p.299-301, 328-329

Questions: 147,148,157,159

**Reproductive Isolation of Species**

* Species definition
* Methods of isolation:
  + Pre-zygotic
  + Post-zygotic

Reading: p. 275-276

Questions: 138, 139

**Taxonomy & Classification**

* 3 major methods of classification
* 7 major levels
* Binomial naming system
* Advantages/disadvantages

Reading: p. 272-276

Questions: 133-139

**Change in Biodiversity - Succession**

* Primary and Secondary

Reading: p. 336-338

Questions: 162-164

**Change in Biodiversity – Human Impact**

* The Big 5

Reading: p. 343-349

Questions: 165-170

**Food Chains and Webs**

* Ecological Pyramids worksheet
* Lindeman’s 10% rule
* Biomagnification

Questions: 151-156

A dog and a cat in a parking lot

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