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| Science 9 | Unit A |
| Lesson 9: Extinction | 84 mins |

Reduction of Biological Diversity

*As we as a species continues to grow we put a lot of stress onto Living things around us.*

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| Extinction  The disappearance of a species from the planet  *SciShow Extinction*  [*https://www.youtube.com/watch?v=FlUes\_NPa6M*](https://www.youtube.com/watch?v=FlUes_NPa6M)  Extiration  He disappearance of a species from a certain area  Natural Causes of Extinction and Extirpation   * Catastrophic events (Volcanic eruptions, earthquakes, floods, fire) * Lack of food (due to overpopulation) * Disease * Overspecialization: Organisms with a very narrow niche may become extinct if conditions change   Human Causes of Extinction and Extirpation   * Urbanization * Construction * Agricultural Development * Logging * Damming of Rivers * Pollution * Pesticides, Herbicides and Fertilizers * Introduction of Non-Native Species: No natural predators… out complete native species * Over Hunting | Moa of New Zealand (Hunted)  Grizzlies. Only found in the mountains… although used to road to Manitoba.  The panda, relies on bamboo too much  Bulletproof man shot… by an arrow  Domestic Cats in New Zealand  Passenger Pigeon, Bison |

Pg. 65 # 1,3,6

Reducing Out Impact on Biological Diversity

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| * Protected Areas: Parks, Nature Areas, Game Preserves * Restoration Programs for Ecosystems and Species: Programs to help bring a species back from the brink * Resource Use Polices: Laws * Controlling the Introduction and Spread of Exotic Species * Conservation of Genetic Material: Saving genetic material for another day | Ferrets released on New Zealand to kill the rabbits… they hunted the slower flightless birds instead  Freezing Sperm, Seed Banks, Zoos |

Practice: Pg. 78 #1,3,6,7