	Name
atural gs 372	Selection and Adaptation -378 Period Date
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1.	Who is Charles Darwin? Pg372  A naturalist from England who lived in the 1800s & Studied groups of organisms
2.	What is Darwin's theory? The Theory of Evolution traits
3.	What does it explain? how traits & species can change over time
4.	What kind of beak did a Cactus finch have? long, pointed why? to get Seeds from Cacti
5.	What type of beak did a Warbler finch have? thin, Sharp why? to Speak insects
6.	What type of beak did a Large ground finch have? Short, heavy why? to eat large Seeds on ground
7.	Each species of finch was specialized, or $3vited$ for living in a particular environment and eating the food found there.
8.	Darwin's Theory—pg 374. The core of Darwin's theory of evolution is <u>Natural</u> <u>Selection</u> —organisms with traits best suited to their environment are most likely to <u>Survive</u> and <u>reproduce</u> .
9.	What is a variation?  A small change in a trait that Makes an individual Slightly different from members of its species
10.	Give an example of a variation in humans. <u>Naircolor, dimples, Widows peaks, Nose Shape, Dye Color,</u>
	Read the variation in Figure 4 with moths. Eventually, which color moth is more populous? <u>brown</u> Pg 376. What is an adaptation?
	an inherited trait that increases an organism's chance of Surviving & reproducing in
13.	Adaptations can be <u>physical</u> traits or <u>behavioral</u> traits. a particular environment
14.	Example of physical adaptation: long Sticky tongue in tree frogs, Xylem in plants - tubes to transport
	A behavioral adaptation involves <u>ACTIONS</u> rather than body structure.
16.	Example of behavioral adaptation: <u>Mass Movement or Migration</u>
17.	Why are insect mouthparts different?
	TO NELP THEM EAT THEN FOOD TIOTHS - TUDE VHOUTH FOR SVEKING MEETAT, WHAT I JAWS
18.	to help them eat their food - Moths = to be mouth for Sucking nectar, bullants = jaws  Wasps = jaws that crush insects/chew meat  Structures like quills on porcupines and thorns on roses help organisms discourage  predators  Predators
19.	Camouflage helps specieshide or trick predators.
	Muscle and bone adaptations (like hollow bones in birds) help species (to find food or avoid predators).
21.	Give an example of a species living in an extreme environment.  Cacti = Special Stems that Store water, polar bears = layers of fatfor insulation.
	Give an example of a species living in an extreme environment.  Cacti = Special Sterns that Store water, polar bears = layers of fatfor insulation,  bats & snakes - hibernate, ice fish - blood that doesn't freeze, bacteria - proteins allow  them to live in