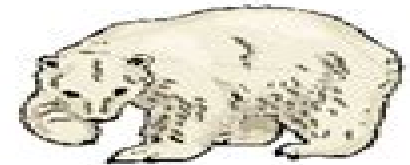


5 Points of Darwin's Natural Selection



Read the following situations below and identify the 5 points of Darwin's natural selection.



- 1) There are 2 types of worms: worms that eat at night (nocturnal) and worms that eat during the day (diurnal). The birds eat during the day and seem to be eating **ONLY** the diurnal worms. The nocturnal worms are in their burrows during this time. Each spring when the worms reproduce, they have about 500 babies but only 100 of these 500 ever become old enough to reproduce.

- a. What worm has natural selection selected AGAINST? diurnal worms FOR? nocturnal worms
- b. Darwin's 5 points: Identify the 5 points in the scenario above.
- Population has variations. There are 2 types of worms in the area (diurnal and nocturnal)
- Some variations are favorable. Birds do not eat nocturnal worms (nocturnal worms advantage)
- More offspring are produced than survive. 100 of the original 500 worms survive to reproduce
- Those that survive have favorable traits. More nocturnal worms survive and reproduce
- A population will change over time. Nocturnal worm population increases; diurnal worm population decreases

- 2) There are 3 types of polar bears: ones with thick coats, ones with thin coats and ones with medium coats. It is fall, soon to be winter. The temperatures are dropping rapidly and the bears must be kept warm, or they will freeze to death. Many of the bears have had 2 cubs each but due to the extreme temperatures, many mothers only have one cub left.

- a. What bear will natural selection select AGAINST? thin coats FOR? thick coats
- b. Darwin's 5 points: Identify the 5 points in the scenario above.
- Population has variations. There are 3 types of bears (thick, medium, and thin)

Natural Selection Answer Key Eoc Coach

Kathleen Armour



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web the reaction turbine diagram is shown below reaction turbine in this type of turbine when the water enters the turbine s

wheel with some pressure supplies above the vanes then turbine's wheel moves completely may be submerged under the tailrace or may discharge into the atmosphere

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web the 50 reaction turbine has been used widely and has special significance the velocity diagram of a 50 reaction is symmetrical and for the maximum utilization factor the exit velocity v_2 must be axial figure 2 40 shows a velocity diagram of a 50 reaction turbine and the effect on the utilization factor

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