

Artificial Selection

Assignment – Student Edition

Draw a line from the environmental factor to the desired trait.

Environmental Factors	Desired Offspring Trait
Very dry soil, hot weather	Dairy cow that has been bred to produce more milk
Dairy farmer needs to earn more money	Corn that will repel insects
Farmer needs to get his goods and vegetables to market	Plant that has been bred to grow in dry soil and survive in extreme heat
Fields have many insects that infect the crops.	Mule that is a crossbred between donkey and horse that is very strong

Consider these dog breeds. Which breed is for which purpose? Put the letter on the line.

1. ___	St Bernards have thick fur and are very strong
2. ___	Greyhounds are very fast.
3. ___	Pomeranians are small and fluffy.
4. ___	Pointers will seek out birds without killing them.
5. ___	Bloodhounds have an amazing sense of smell.
6. ___	Collies will collect or herd sheep and birds into a space.
7. ___	Dachshunds are low to the ground.
8. ___	Retrievers are bred to fetch or retrieve things.
9. ___	Rat terriers (and other terriers) are small and fierce.

A. Bred to flush badgers out of their dens
B. Bred to get rats and vermin out of factories
C. Bred for hunting to retrieve the ducks shot from the water
D. Bred for racing
E. Bred to be lap dogs and pets for the wealthy
F. Bred as a rescue dog in the Swiss Alps
G. Bred to help shepherds
H. Bred to find prey and alert the hunter
I. Bred to track prey and used for missing persons.