

Name _____

Bean Lab

Materials:

- } 60 pinto beans, black beans, red beans, northern beans, blackeye peas, and chick peas
- } 6 dixie cups
- } graph paper
- } 50 cm x 50 cm multicolored carpet

Procedure:

1. Work in groups of 3.
2. Spread 10 seeds of each type randomly over the carpet.
3. Record the number of each type of seed present on the carpet in the data table below for generation 0.
4. Each student in the group will
 - a. Look away from the carpet.
 - b. Turn back to it.
 - c. Pick up the first seed you see and put it in its appropriate Dixie cup.
 - d. Repeat steps a through c 15 times.
 - After 3 students do this, there should be 15 seeds left on the carpet.
5. Give each of the surviving seeds 3 offspring of the same type by adding seeds from the Dixie cups. (There should now be 60 seeds on the carpet again.)
6. Repeat steps 3 through 5 four more times. Each repetition represents the survival and reproduction of a single generation.

Generation	Pinto Beans	Black Beans	Red Beans	Northern B.	Blackeye P.	Chick Peas
0						
1						
2						
3						
4						

