

Codominance Practice

1. Practice setting up keys for the **phenotypes** listed in each set. Remember that the “medium” trait must always be **heterozygous**. Explain why you answered the way you did in each question.

Example: Birds can be blue, white, or white with blue-tipped feather

Blue - BB

white - bb

white with blue tips - Bb

Because the medium trait is the mixture of both so it must be a heterozygous

- a. Flowers can be white, pink or red
- b. A Hoo can have curly hair, spiked hair, or a mix of both curly and spiked
- c. A Sneech can be tall, medium, or short
- d. A Bleexo can be spotted, black or white
2. In Smileys, eye shape can be starred, circular or a circle with a star. Write the **genotypes** for each of the pictured phenotypes.



Genotype: _____ Genotype: _____ Genotype: _____

3. Show the cross between a star-eyed and a circle-eyed Smiley:

- a. What are the phenotypes of the offspring? _____
- b. What are the genotypes? _____

4. Show the cross between a circle-star eyed and a circle eyed Smiley:

- a. How many of the offspring are circle-eyed?

- b. How many of the offspring are circle-star eyed? _____

5. Show the cross between two circle-star eyed Smileys:

- a. How many of the offspring are circle-eyed? _____
- b. How many of the offspring are circle-star eyed? _____
- c. How many are star eyed?
