

Name _____

Do You Want to Build a Snowman?

Dominant & Recessive Traits

Your objective is to create your own snowman by determining the traits that it has inherited from its parents.

Step 1—Obtain two coins; one for each parent. **Parents are heterozygous for all traits**

Step 2—Flip coins for each trait. Heads = dominant & tails = recessive**. Circle the correct allele to determine the genotype and the phenotype for each trait.

<u>Trait</u>	<u>Parent 1</u>	<u>Parent 2</u>	<u>Genotype</u>	<u>Phenotype</u>
# of Snowballs	S s	S s		
Height	H h	H h		
Nose	N n	N n		
Pipe	P p	P p		
Eyes	C B	C B		
Arm Length	L S	L S		
Button Shape	S T	S T		
Clothing	H S	H S		

**Some traits are represented by incomplete dominance or codominance, resulting in a third phenotype

Vocabulary

Dominant _____

Recessive _____

Genotype _____

Phenotype _____

Homozygous _____

Heterozygous _____

Allele _____

Incomplete Dominance _____

Codominance _____



My Snowman

My Snowman's Name _____

Directions: In the space below, draw the snowman that you created by flipping coins. Use the snowman phenotype chart to determine your snowman characteristics.