

Colorful Chromosomes

1. On the table below, circle the phenotype of each trait that you have, along with the corresponding bead color that represents that phenotype.
2. Collect the beads that represent your genes, and lace the beads through any of the four parts of you chromosome pipe cleaners.

Trait	Phenotype	Bead Color	Genotype
1. Hair color	brown, black, or red hair		LL or Ll
	blond hair		ll
2. Hair type	naturally curly		TT or Tt
	naturally straight		tt
3. Tongue curling	can curl tongue		CC or Cc
	cannot curl tongue		cc
4. Mid-digital hair	hair present, middle digit of finger		MM or Mm
	hair absent, middle digit of finger		mm
5. Pigmented iris	eyes not blue		EE or Ee
	blue eyes		ee
6. Widow's peak	peak in center of hairline		WW or Ww
	no peak in center of hairline		ww
7. Bent finger	little finger curves toward others		BB or Bb
	little finger straight		bb