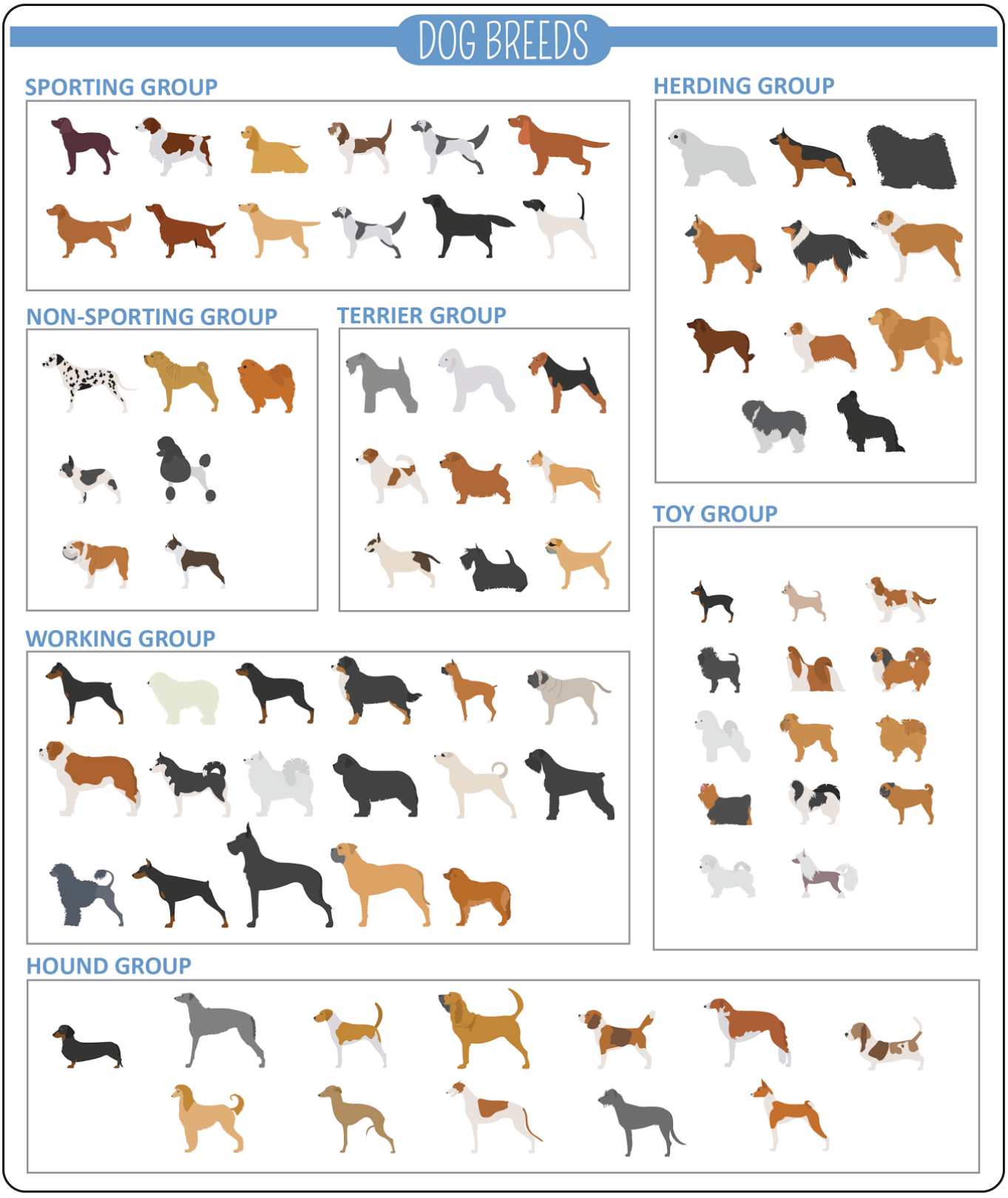
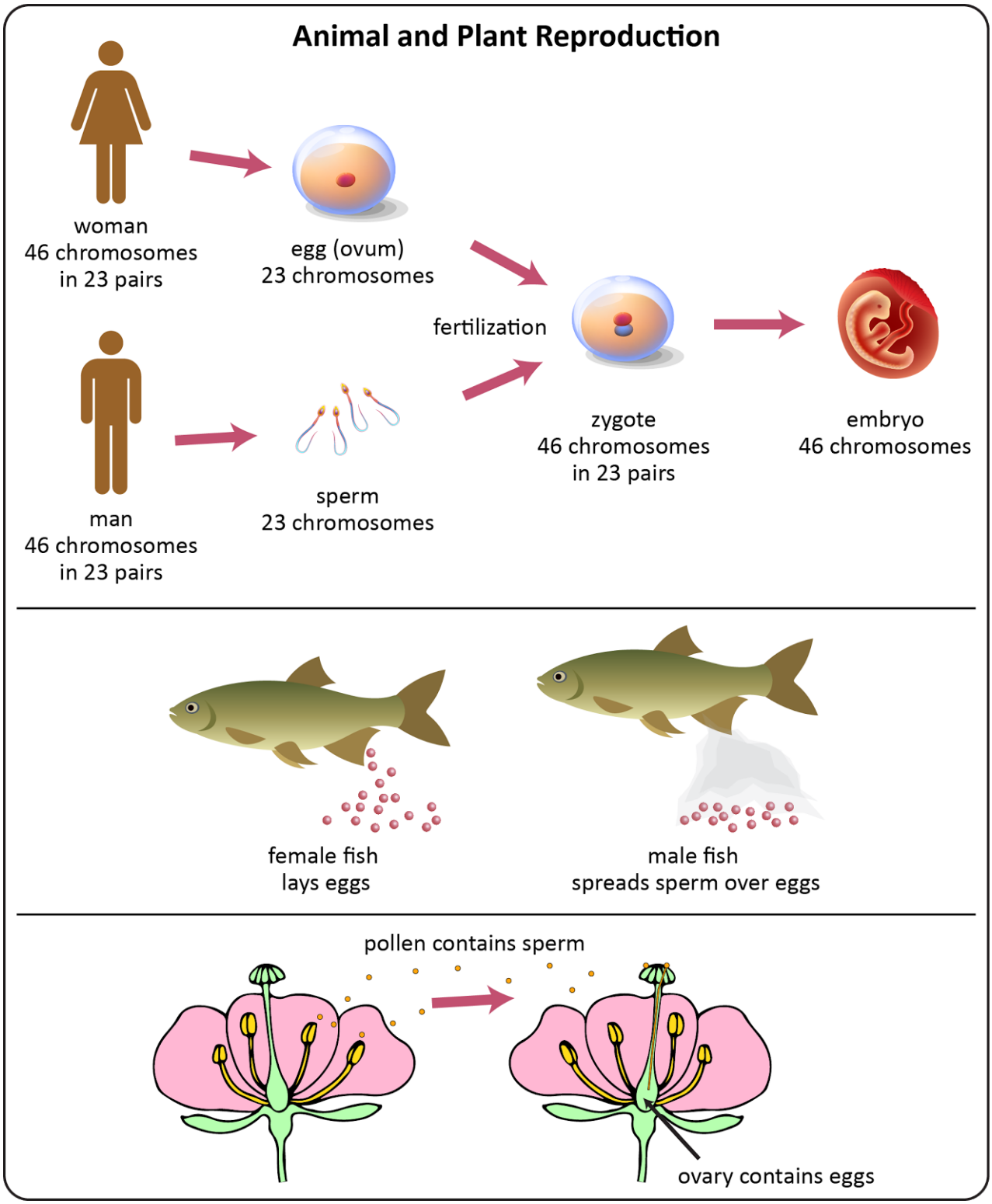
Domestic Dog Pictures Resource Card



Animal and Plant Reproduction Resource Card



Dog Family Picture Frame

Mom Dog
Name:

Dad Dog
Name:

Puppy 1
Name:

Puppy 2
Name:

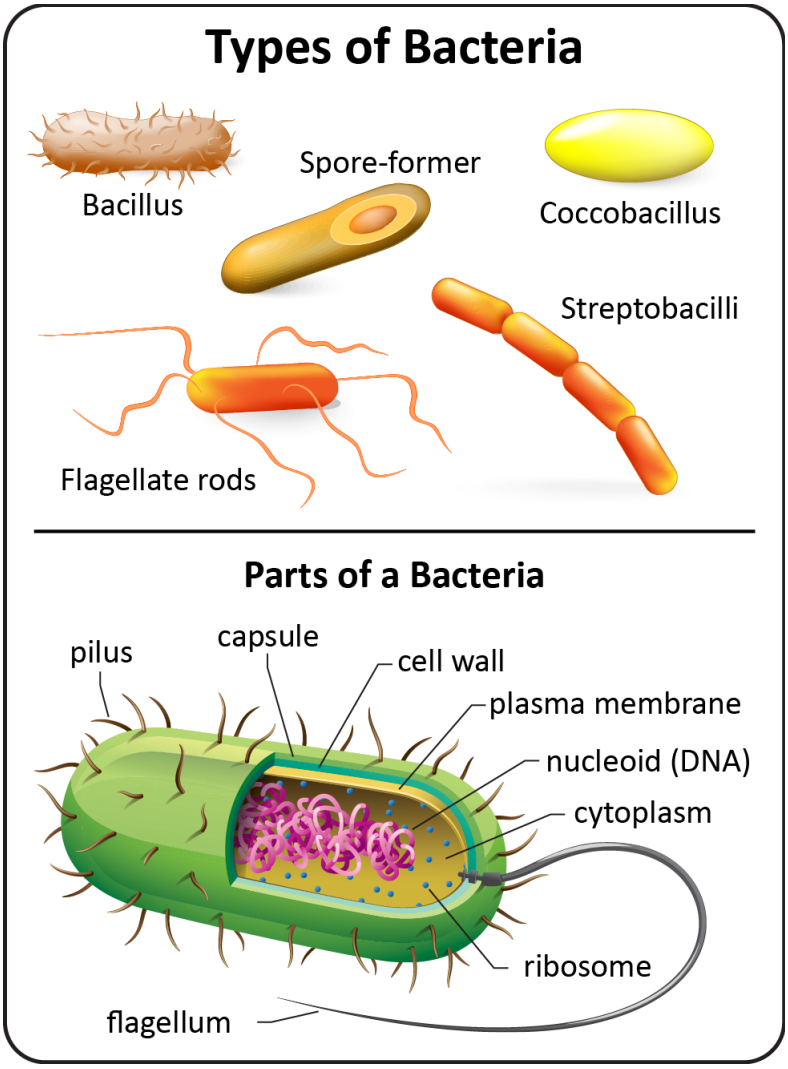
Dog Traits and Alleles Resource Card

When designing your parent dog genotypes, use the TT or Tt alleles for the dominant traits. For dominant traits, flip a coin to determine whether your dog has two dominant alleles (TT) or one dominant and one recessive allele (Tt).

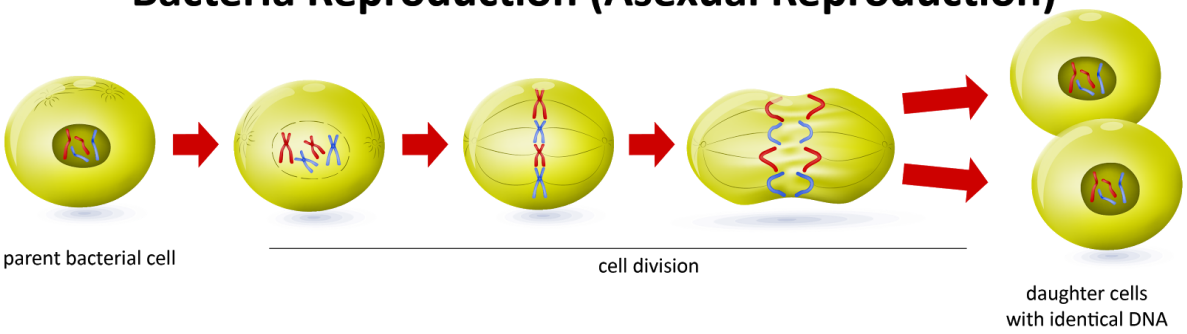
Note: For other traits you will use different letters. However, you will still use the coins with the letter "T."

Trait	Dominant Trait (usually seen more often)		Recessive Trait (usually seen less often)	
Tail Shape	(TT or Tt)	curved	(tt)	straight
Tail Fluffiness	(FF or Ff)	fluffy	(ff)	not fluffy
Tail Length	(LL or Ll)	long tail	(ll)	short tail
Height	(HH or Hh)	long legs	(hh)	short legs
Coat Color	(DD or Dd)	spotted	(dd)	all one color
Coat Length	(NN or Nn)	naturally short hair	(nn)	naturally long hair
Ear Stance	(EE or Ee)	floppy ears	(ee)	stand up ears
Ear Length	(GG or Gg)	long ears	(gg)	short ears
Your Choice of Trait:				
Sex	XX = Female (Use AA penny)		XY = Male (Use Aa penny)	

Bacteria Resource Card



Bacteria Reproduction (Asexual Reproduction)



Bacteria Traits Resource Card

Bacteria only have one chromosome, so they only have one allele per trait.

Trait	Allele
Cell Shape	Round = R Rod = D Spiral = S
Growth Pattern	Found alone (not touching each other) = A Found in pairs (touching each other) = Y Found in clumps (touching each other) = C Found in a chain (touching end to end) = H Found in no pattern = Z
Flagellum	No flagellum = G One flagellum = F Multiple flagella = M
Outer Coat (Capsule)	Outer coat (capsule) = O No outer coat (no capsule) = T
End (Spore)	Enlarged end = E No enlarged end = X

Bacteria Family Picture Frame

Parent Bacteria

Offspring Bacteria