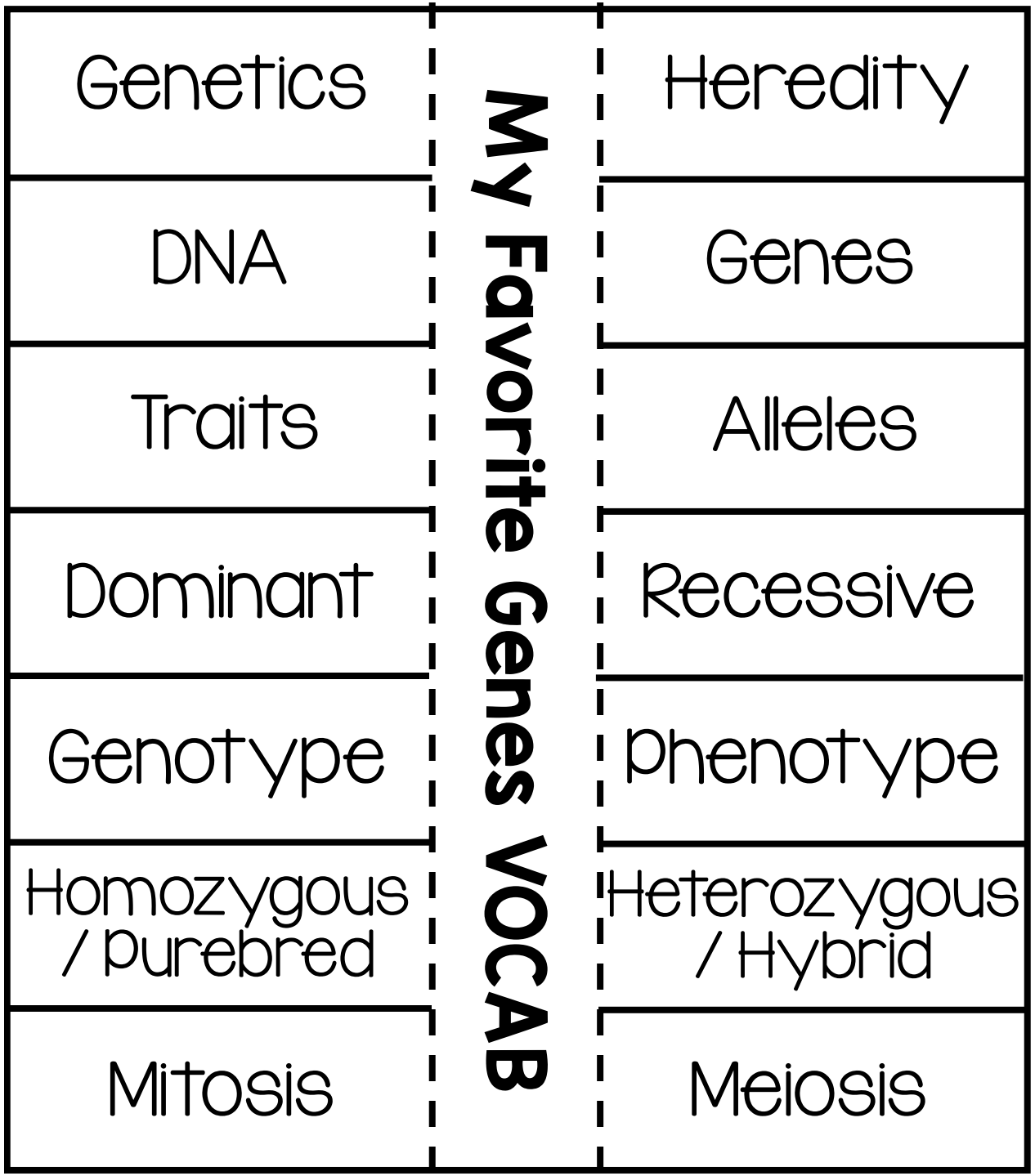
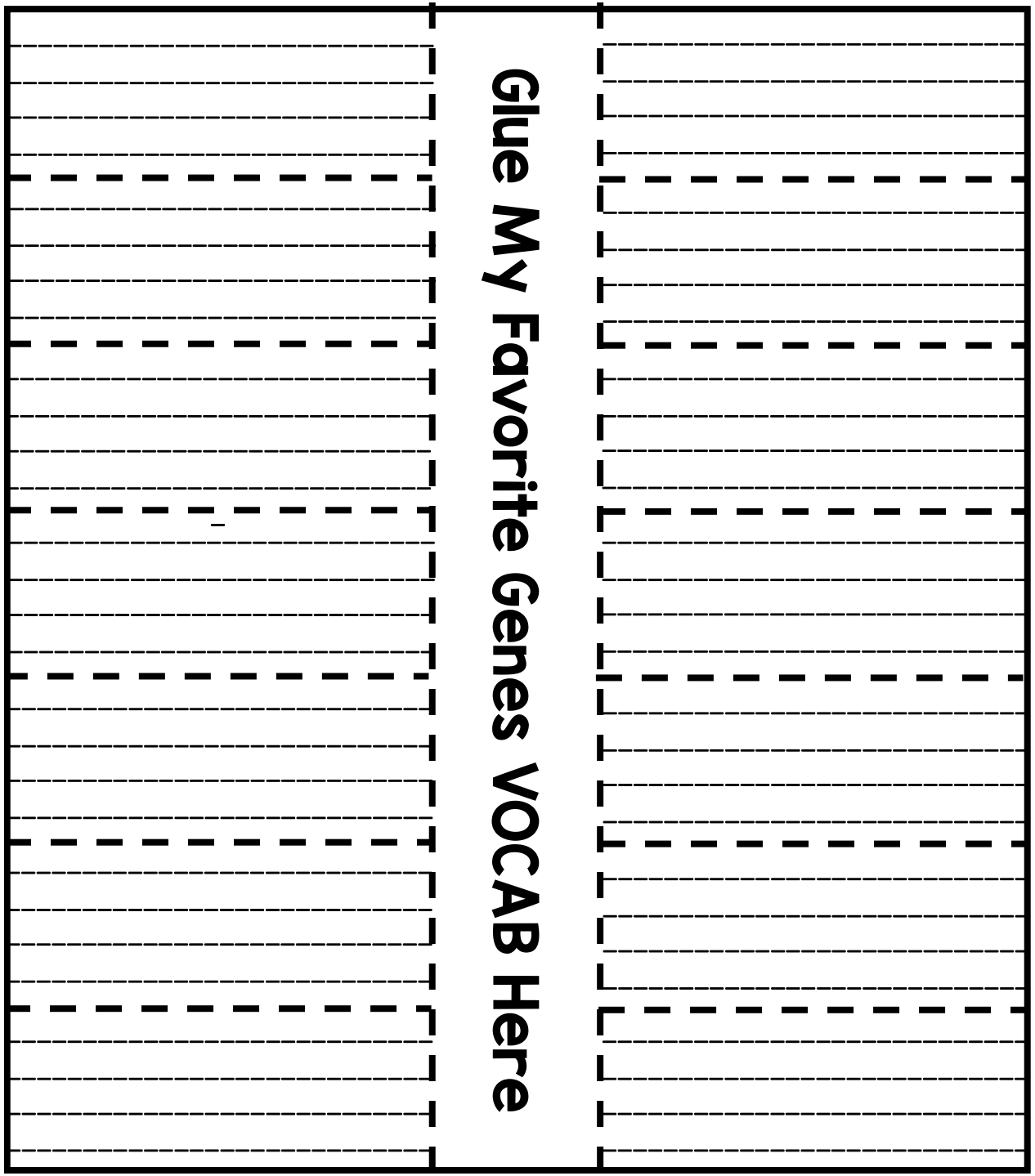


Directions: Cut out the diagram on this page. Fold each door/flap along the dashed line and glue the "My Favorite Genes" tab into your INB or onto the lined template. Underneath each door/flap define these terms.



Directions: Cut out the diagram on this page and glue it into your INB. Glue "My Favorites Genes VOCAB" on top and use as a template for neatly writing your vocabulary definitions.

Genetics: the scientific study of heredity

DNA: contains your genes; found in the nucleus

Traits: the different forms of a characteristic (dimples: present or absent)

Dominant: the trait that overshadows and is expressed (capital letter)

Genotype: combination of alleles (letters):DD,Dd,dd

Homozygous/purebred: two alleles/letters for one trait that are the same (Ex: DD or dd)

Mitosis: cell reproduction- when one body cell becomes two

Glue My Favorite Genes VOCAB Here

Heredity: the passing of physical characteristics from parents to offspring

Genes: the factor that controls a trait you exhibit; found on chromosomes

Alleles: the letters that represent the different forms of a gene (dimples: D= present; d= absent)

Recessive: the trait that hides in the background (lowercase letter). Can only be expressed in homozygous form (Ex: dd).

Phenotype: the physical appearance of a trait (Ex: dimples, no dimples)

Heterozygous/hybrid: two alleles/letters for one trait that are different (Ex: Dd)

Meiosis: produces four sex cells, sperm or egg that are used to pass a parent's traits to offspring.

Directions: Cut out the diagram on this page and glue it into your INB. Glue "My Favorites Genes VOCAB" on top and use as a template for neatly writing your vocabulary definitions.