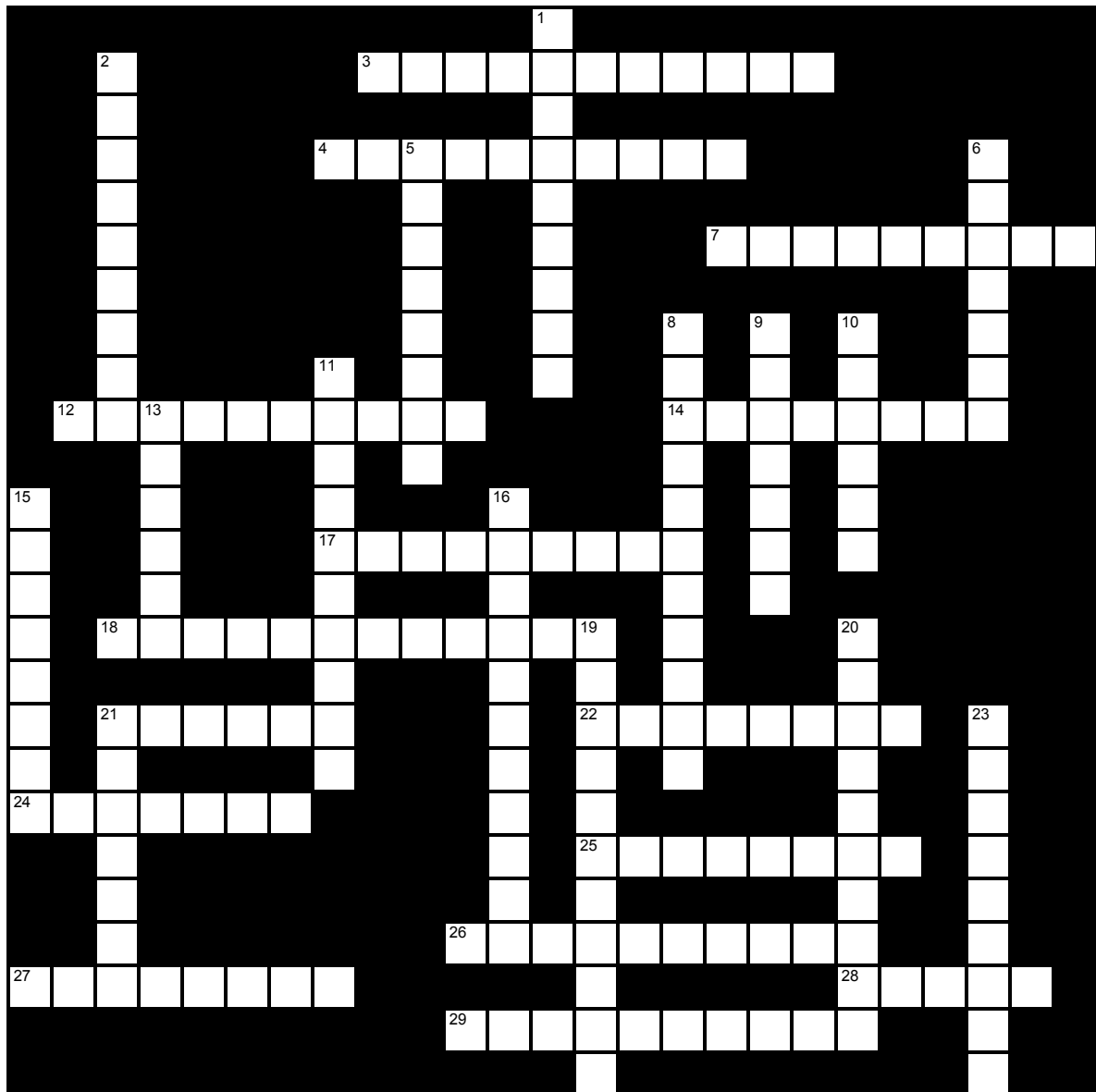


Genetics Vocabulary

Name: _____

Hour: _____



Across

- 3 The odds that something will occur; such as inheriting a specific trait (11)
- 4 A pea plant with white flowers would be called _____ recessive. (10)

Down

- 1 An analytical tool that scientists use to study the chromosomes for genetic anomalies (differences) (9)
- 2 Occurs when alleles from one chromosome move over to a homologous chromosome (9)

- 7 Traits which have more than one set of alleles that code for them, like skin color and eye color (9)
- 12 A type of mutation where a pair of alleles moves from one location on a chromosome to a completely different location (10)
- 14 Term used to describe a type of gene that is expressed if present (always wins out) (8)
- 17 The physical manifestation of a trait, like being tall or short (9)
- 18 A pea plant with Tt alleles for height would be an example of this (12)
- 21 Common term for the heterozygous state where a trait has one dominant and one recessive allele (6)
- 22 The scientific study of heredity (8)
- 24 The 'number' used to describe a full genome set, as in body cells (7)
- 25 The genetic makeup of an individual, like Tt (8)
- 26 The structure which holds the sister chromatids together to form a chromosome (10)
- 27 An analytical tool used by scientists to study inheritance patterns within a family of close relatives (8)
- 28 A physical characteristic that is inherited from one's parents (5)
- 29 The "X" shaped units of inheritance found in the gametes (10)
- 5 Any unexpected, permanent change to the genome or genetic code (8)
- 6 The mathematician who developed the grid used to separate and map out genetic traits for study (7)
- 8 Mendel stated the genes undergo _____ assortment where different traits are randomly assorted. (11)
- 9 Term used to describe reproductive cells like sperm and eggs (7)
- 10 The scientist/priest considered to be the "Father of Genetics" (6)
- 11 A condition that occurs in plants when entire extra sets of chromosomes are present resulting in abnormally large fruit production (10)
- 13 Consists of a pair of genes that code for a specific trait (6)
- 15 Common term for the homozygous state where a trait has two dominant or two recessive alleles (8)
- 16 Type of dominance where both alleles are equally expressed, such as blood types (11)
- 19 This term is used to describe the separation of alleles that occurs during meiosis (11)
- 20 Type of dominance where one gene does not completely dominate over another, like pink flowers or gray bunnies (10)
- 21 The 'number' used to describe the genome of a gamete cell (7)
- 23 Term used to describe a type of gene that is only expressed in a homozygous state (will lose if a dominant is present) (9)