

Knowledge Question	Correct answer	Incorrect answers		
K1.0 - Where do you get your genetic information from? [2010-2011]	Parents	Technology	Teachers	Doctors
K1.1 - Where do you get your genes from? [2011-2014]	Parents	Technology	Teachers	Doctors
K1.2 - A section of DNA that affects one specific trait is called a: [2014-2015]	Gene	Ribosome	Genome	Nucleus
K2.0 - When you state a possible explanation for a specific question during Scientific Inquiry it is called: [2010-2011]	Hypothesis	Conclusion	Research question	Observation
K2.1 - When you state a guess that might answer a specific question during Scientific Inquiry it is called the: [2011-2014]	Hypothesis	Conclusion	Research question	Observation
K2.2 - Which of the following is NOT a reason zebrafish are used in research? [2014-2015]	Zebrafish only have a few offspring	Zebrafish embryos are transparent	Zebrafish and humans are genetically similar	Zebrafish regenerate
K3 - An organism that inherits two copies of the same allele is considered:	Homozygous	A mutant	Heterozygous	Regular
K4.0 - In genetics, the physical characteristics of your genes are called the: [2010-2011]	Phenotype	Genotype	Genome	Alleles
K4.1 - In genetics, the outward, physical characteristics of your genes are called the: [2011-2015]	Phenotype	Genotype	Genome	Alleles
K5 - To determine the probability of inheriting traits, you should create a:	Punnett square	Genetic equation	Family tree	Genotype
K6.0 - If rolling your tongue is a dominant trait, which answer would show a 3:1 ratio of parents passing on the trait? [2010-2011]	Aa x Aa	AA x Aa	aa x aa	AbAb x AbAb
K6.1 - Which answer shows the inheritance of a recessive trait with two heterozygous parents? [2011-2013, 2014-2015]	Aa x Aa	AA x Aa	aa x aa	AbAb x AbAb
K6.2 - Which answer shows a 25% chance of the inheritance of a recessive trait from two heterozygous parents? [2013-2014]	Aa x Aa	AA x Aa	aa x aa	AbAb x AbAb
K7 - Stem cells have to potential to become many different kinds of cells.	True	False		
K8 - Genetic mutations are almost always harmful.	False	True		
K9 - Model organisms can help scientists learn about human genes, diseases, and cures.	True	False		