

1. He was one of the “discoverers” of Mendel’s lost work, but his work on primroses gave him credit for the discovery of mutations:
 A. Gregor Mendel B. T H Huxley C. Thomas Malthus D. Watson Crick E. Hugo de Vries
2. The meaning of “Creation Science” (or “Scientific Creationism”) in the video we saw is:
 A. The belief that God is responsible for the Big Bang 10 billion years ago.
 B. The knowledge gained from reading the Bible.
 C. Attempts to find scientific evidence that supports the hypothesis that the earth is about 10,000 years old.
 D. Any belief in a creation by a superior being.
 E. The modern theory of evolution based on Darwin and genetics.
3. In the video we saw, the “human footprints” found with dinosaur prints turned out to be:
 A. Real (humans did walk with dinosaurs) B. fakes placed under water C. miracles
 D. 3-toed dinosaur prints with a deep heel impression E. prints of alien visitors from another planet
4. The Allele for shortness in peas is a recessive. When Mendel crossed hybrid (heterozygous) tall pea plants with hybrids, the resulting plants next year were:
 A. all tall B. all short
 C. in the ratio of 3 tall to 1 short D. two-thirds tall, one third short E. All intermediate
5. Human sperm are examples of:
 A. zygotes B. cells produced by mitosis
 C. gametes D. cells with 46 chromosomes E. All of these
6. Which is true about mutations?
 A. when the environment changes, beneficial mutations always occur to prevent extinction.
 B. When the environment does not change, no mutations will occur.
 C. Mutations are the source of new variations
 D. mutations that happen to adults during mitosis will be passed on to their children
 E. All of these are true
7. The fact that hidden recessives can reappear in future generations is proof that inheritance is:
 A. Irreversible blending B. Particulate in nature C. Acquired characteristics D. All of these
8. Which is TRUE about PROTEINS?
 A. A different allele of a gene can produce a different version of a protein
 B. Every gene is a recipe for making a protein
 C. A protein is a molecule made up of a long string of amino acids
 D. Some proteins are structural (such as collagen), the building blocks of cells and tissues
 E. Some proteins are enzymes and hormones, molecules that control physiology
 F. All of these are true
9. Which is FALSE?
 A. DNA stands for deoxyribonucleic acid
 B. The arms of chromosomes are DNA in the form of a long ladder wound in a helix
 C. In protein synthesis, messenger RNA carries code outside the nucleus to where proteins are made
 D. Transfer RNA are the molecules that assemble the string of amino acids from the mRNA code
 E. Trying to crossbreed donkeys and horses results only in a sterile animal (called a mule) this is proof that they belong to the same species
10. In the 1920's, Tennessee schoolteacher Scopes was tried for teaching evolution; what happened?
 A. He was found innocent, and evolution was then legal.
 B. He was convicted, paid a fine, and teaching evolution continued to be illegal in many states for decades.
 C. The jury was deadlocked, so the US Supreme Court found him innocent
 D. He was found innocent because he also taught strict Creationism, but all courts ruled then and now that creationism must be taught alongside evolution in public schools

PRINT FIRST NAME _____ LAST _____

Bonus question: This refers only to an allele that is always expressed in a hybrid individual:

- A. Homozygous B. Mutation C. Dominant
 D. Recessive E. Zygote

