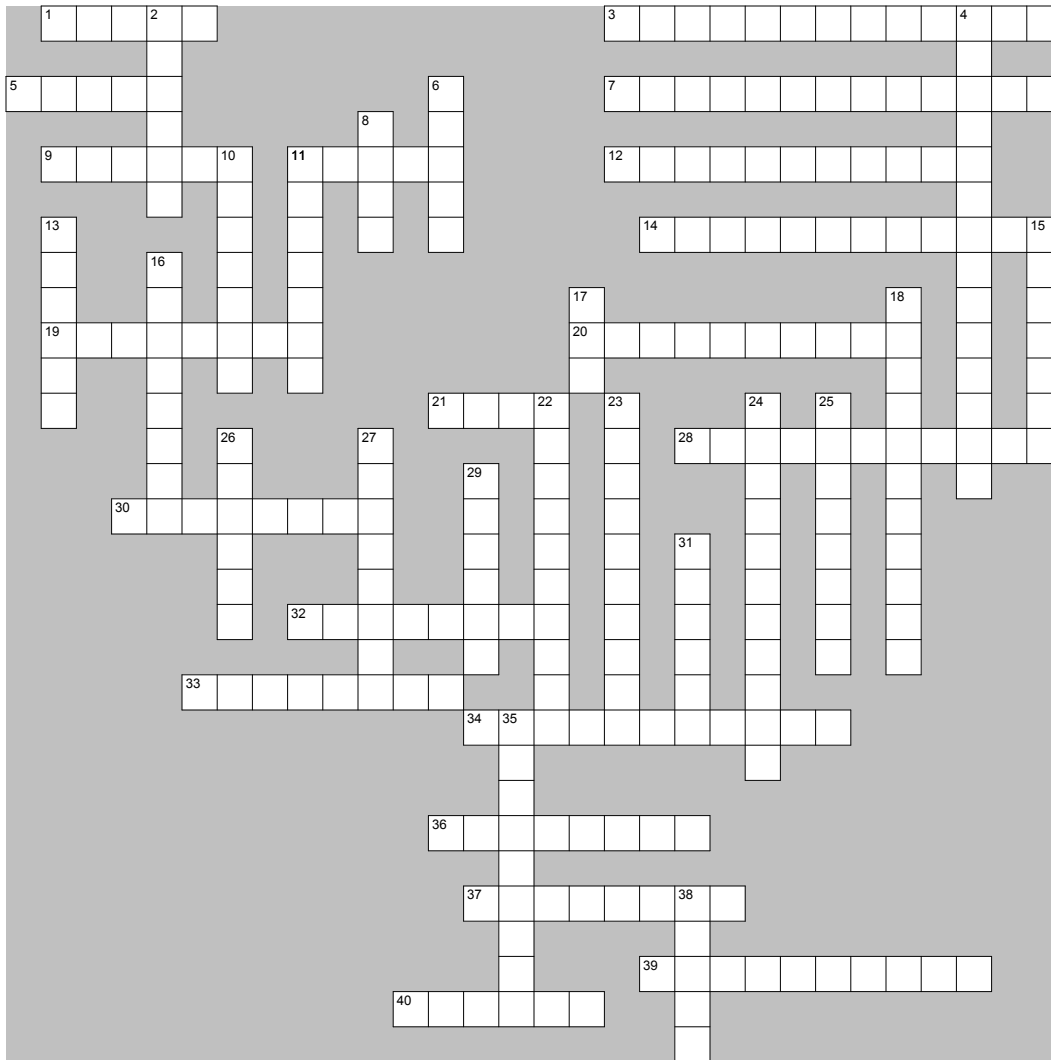


DNA - Chapter 12



Across

- This is a group of 3 nucleotides in a row that specify an amino acid
- Bacteriophage means ????????
- These kind of mice were commonly used in experiments (1)
- A type of virus that infects and kills bacteria
- The sugar in RNA is a ???? instead of a deoxyribose
- There are ???? types of RNA.
- Units of DNA are called ???????
- These trees have 22 chromosomes (2)
- If human DNA copied itself at the same rate as E Coli (p 296), how many DAYS would it take?
- DNA and histone molecules form a beadlike structure called a ?????
- When heat-killed, disease-causing bacteria was mixed with harmless bacteria and injected into mice, the mice ?????
- This is a 5-carbon sugar
- She studied DNA using X-Ray diffraction
- This British scientist was trying to figure out how bacteria made people sick. (1)
- Chromatin consists of DNA that is tightly coiled around proteins called ?????
- This is the decoding of an mRNA message into a polypeptide chain (or protein)
- Genes are coded DNA instructions that control the production of ????????
- These genes control the organs and tissues that develop in various parts of the embryo
- The principle enzyme involved in DNA replication is called DNA ????????
- Who was the American who helped to discover the shape of the DNA molecule?

Down

- A group of genes that operate together is known as an ????????
- This is the process of heat-killed bacteria passing their disease-causing ability to harmless bacteria
- His team discovered that genes are composed of DNA
- This is the abbreviation for "Messenger RNA"
- Avery and colleagues treated the extract from heat-killed bacteria with
- Chargaff's Rule said that the amount of adenine would be equal to the amount of ?????
- DNA contains none of this element
- This purines begins with the letter "A"
- Most prokaryotes have a single, ?????? DNA molecule. (2)
- ribonucleic acid (1)
- The process of a cell duplicating its DNA is called ?????
- This organism's cells have 8 chromosomes (2)
- Proteins contain almost none of this element
- James Watson wrote a book titled " The ??? ????"
- This pyrimidine begins with the letter "C"
- The Human ?????? Project is an attempt to sequence all human DNA
- Avery was this nationality
- In RNA the chemical thymine is replaced by ??????
- If one strand of a DNA molecule had the bases TACGTT, what would the complementary bases be?
- Ribosomal RNA is combined with protein to form ????????
- This bacterium is a prokaryote