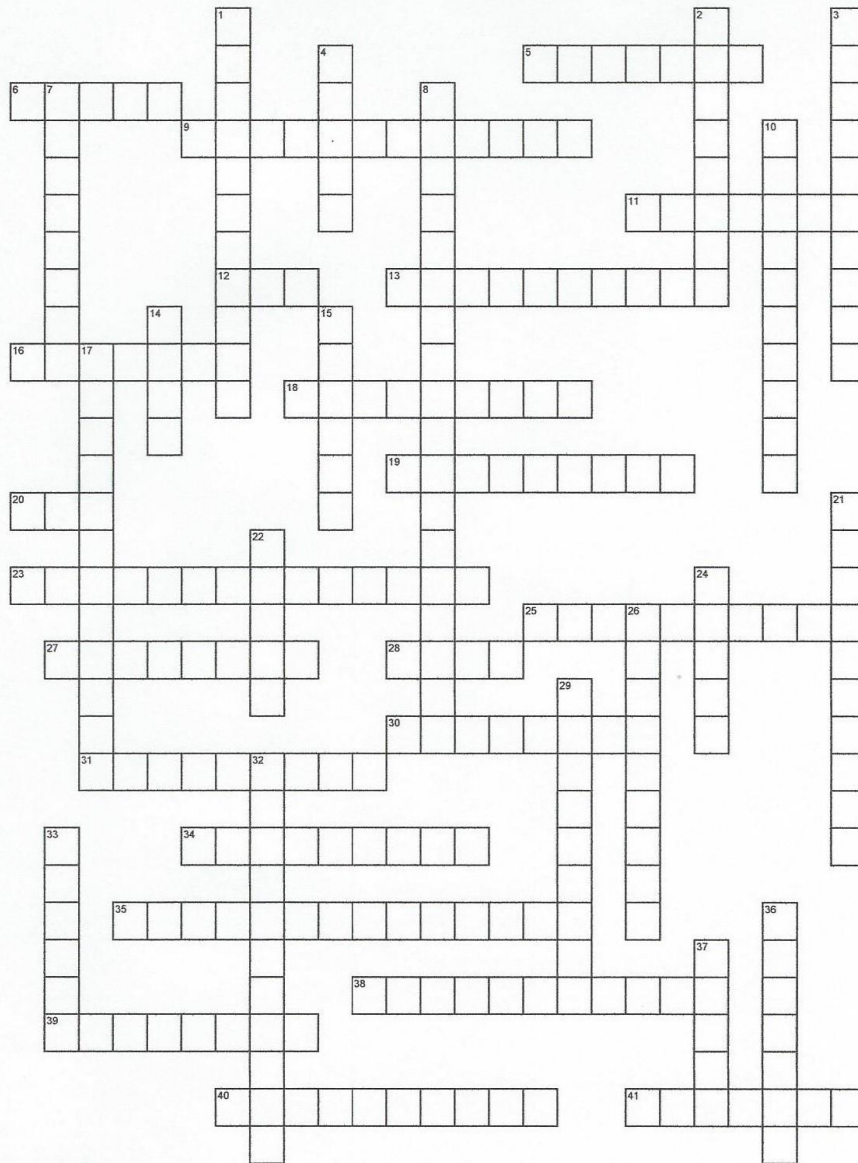


3.2B – Microbes

Directions: Use the highlighted terms in the chapter to solve the puzzle. Most clues come from the chapter text, but some require outside investigation. Omit spaces or dashes between words.



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- discovered in Lyme, Connecticut
 39 a set of symptoms that consistently occur together
 40 things we do to prevent an illness or accident from occurring
 41 the first Scientist to understand the real origin of infectious disease

DOWN

- 1 Invented a microscope; first one to actually see microbes
 2 another name for a microorganism causing fermentation or disease
 3 childhood viral disease; can cause shingles in adults who had chicken pox as a child
 4 small holes or openings in a membrane, such as skin
 7 a living microscopic organism present in the human body; about 1% of them cause disease
 8 a high-powered microscope that uses electron beams instead of light
 10 affecting either the left or right side of the body, but not both sides
 14 a viral disease spread by mosquitos; causes microcephaly in babies born to infected mothers
 15 capable of surviving in a particular environment
 17 a disease capable of transmission from one sufferer to another
 21 Italian scholar who decided about 1546 that 'miasma' did not make sense as the cause of sickness
 22 an infectious viral disease affecting the central nervous system; causes scoliosis in girls and unilateral leg wasting in boys
 24 a non-living microbe that attacks the RNA or DNA of host cells
 26 the abnormal presence of virus or bacteria resulting in illness or disease
 29 the inability to move part or all of the body; caused by illness, poisoning, or injury
 32 nickname given to Mary Mallon, who was a carrier of Typhoid Fever
 33 the contagious viral disease from which Old Yeller suffered; common in bats, coyotes, and skunks
 36 a person who carries a disease that can be shared with their children genetically or by infecting others
 37 microorganisms that cause disease

ACROSS

- 5 a parasitic disease transmitted by mosquitos; symptoms include recurring fever
 6 an infectious and usually fatal disease characterized by fever and severe internal bleeding and spread by contact with infected body fluids; caused by a filovirus
 9 a contagious bacterial disease that affects the lungs
 11 having a fever
 12 the acronym for human immunodeficiency virus; there is

- 13 currently no vaccine to prevent it single-celled organisms that are neither bacteria or virus; an example is an Amoeba
 16 a medicine used to stimulate antibodies to provide immunity from a disease
 18 a length equal to one-billionth of a meter
 19 abnormal lateral curvature of the spine seen in female polio patients
 20 viral disease killing more people in last 100 years than any other
 23 a scientist who studies patterns of spreading of diseases

- 25 a medicine that inhibits the growth of bacteria
 27 a disease that spreads throughout an entire country or around the world
 28 developed a set of rules to prove specific germs caused specific diseases
 30 a very thin layer of cells or material
 31 the changing of genes from generation to generation for the purpose of adaptation
 34 viral disease attacking the liver
 35 organisms visible only under a microscope
 38 tick-borne bacterial disease