**5th Grade SCIENCE**

**Numble Jumble Word List**

**2017-18**

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| **Ecosystems** |
| Organism | Any living thing  |
| Ecosystem | Community of organisms interacting together  |
| Habitat | Natural home or environment of an organism |
| Biome | Areas of the world with similar climate, animals, and plants  |
| Abiotic  | Nonliving factors in an ecosystem (light, air, soil)  |
| Biotic | Living things in an ecosystem |
| Producer | Organism that makes its own food  |
| Consumer | Organism that eats other organisms for energy  |
| Herbivore | A consumer that only eats plants  |
| Omnivore | A consumer that eats plant or other animals |
| Carnivore | A consumer that eats only other animals  |
| Decomposer | Organism that breaks down dead organisms into nutrients  |
| Photosynthesis | Chemical process plants use to make their food  |
| Predator | Animals that hunt other animals for food  |
| Prey | Animals that are hunted for food  |
| Food Chain | The path of energy from one organism to another  |
| Food Web | Interactions of different food chains in an ecosystem |
| Terrestrial | Land-based ecosystems |
| Aquatic | Water-based ecosystems  |
| Niche  | An organism’s role in an ecosystem |
| Estuary | Where saltwater and freshwater mix  |
| Pollutant  | Something that makes land, water, or air not safe to use  |
| Population | A group of the same organisms living in one are  |

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| **Human Body**  |
| Transport  | To take or carry from one place to another  |
| Unicellular | A living thing made of only one cell |
| Multi-Cellular | A living thing made of more than one cell |
| Inhale  | To breathe in |
| Exhale  | To breathe out   |
| Waste | A material that is not wanted or needed |
| Nutrients | A substance needed for growth and life  |
| Digest | Breaking down food so it can be used by the body   |
| Offspring | The young of living thing  |
| Cell | The basic unit of life  |
| Traits  | Qualities and characteristics of a living thing |
| Acquired traits  | A trait organisms are not born with but get through learning  |
| Inherited trait | A trait an organism is born with  |
| Instinct | An inherited behavioral trait  |
| Heredity  | How traits transfer from parents to offspring  |
| DNA | Material that carries information about how living things look and function |
| Tissue  | A group of cells that work together (muscle cells, skin cells)  |
| Organ | A part of the body that has a specific function  |
| Nervous System | System that sends and receives messages throughout the body  |
| Circulatory System | System that moved oxygen, food, and waste through our body  |
| Resepiratory System | System that brings oxygen into our bodies and takes out carbon dioxide |
| Digestive System | System that breaks down food to use for energy  |
| Skeletal System | System that provides our body support and structure  |
| Muscular System | System that works with our bones to allow us to move  |
| Skeletal Muscle  | Muscles that attach directly to a bone |
| Smooth Muscle | Muscle type that makes our internal organ  |
| Cardiac Muscle | Muscles of the heart |
| Involuntary Muscle | Muscles that work automatically  |
| Voluntary Muscle | Muscles that you can control  |

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| **Weather**  |
| Weather  | Day to day conditions outside  |
| Climate | Typical weather condition over a period of time  |
| Forecast  | A prediction of future weather events  |
| Humidity  | The amount of water vapor in the atmosphere |
| Air Pressure | The weight of the air  |
| Jet Stream | Fast moving cold air high in the atmosphere traveling from West to East  |
| Gulf Stream | Warm flow of water up the East Coast of the United States  |
| Cumulus  | Clouds that look like cotton balls and bring partly cloudy skies  |
| Cirrus | Thin and wispy clouds high in the atmosphere  |
| Stratus | Low, grey clouds that can bring precipitation  |
| Nimbus  | Prefix meaning rain |
| Evaporation | The heating of water changing from a liquid to a gas  |
| Condensation | The cooling on water changing from a gas to a liquid  |
| Air mass | Large body of air with the same temperature and moisture  |
| Fronts | Where a warm and cold air mass meet  |
| Warm Front | Warm air mass replaces a cold air mass  |
| Cold Front | Cold air mass replaces a warm air mass  |
| El Nino | A climate pattern that brings warmer weather and more precipitation |
| La Nina  | A climate pattern that brings cooler weather and less precipitation  |
| Temperature | A measure of how warm something is  |
| Water cycle  | The process of how water moves through the Earth and atmosphere  |
| Run-off | Precipitation that is not absorbed by the soil and travels to a body of water  |
| Precipitation  | Rain, snow, sleet, or hail  |
| Prevailing Wind | A wind pattern that consistently blows from the West to the East in the United States  |
| Land breeze | A breeze from land towards water at night  |
| Sea breeze  | A breeze from the sea towards land during the day  |
| Equator  | The imaginary line that divided the earth into Northern and Southern hemispheres  |
| Latitude  | Imaginary lines that extend around the earth horizontally  |
| Longitude  | Imaginary lines extending around the earth vertically  |

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| **Force and Motion/Matter/Thermal Energy** |
| Physical Change  | A change in size, shape, or state of matter that can be reversed  |
| Chemical Change  | A change that forms a new substance.  This change cannot be reversed  |
| Heat Transfer  | Heat moving from a warmer object to a cooler object  |
| Conductor | A material that heat easily moves through  |
| Insulator  | A material that limits how much heat can go through it  |
| Conduction  | The transfer of heat between two touching objects  |
| Convection | The transfer of heat through a liquid or a gas  |
| Radiation  | The transfer of heat through empty space  |
| Force  | A push or a pull on an object  |
| Motion | The movement of changing location from one place to another  |
| Push  | The act of moving something away  |
| Pull  | Movement towards another object  |
| Newtons | The unit used to measure force  |
| Unbalance Forces | Forces that are not equal, causing an object to move  |
| Balanced Forces  | Forces that are equal, causing an object to stay in place  |
| Gravity  | A force that pulls things towards the earth or each other  |
| Friction  | A force’s fight against motion, slows things down  |
| Weight | The amount of mass in an object  |
| Energy  | The ability of something to be active or do work  |
| Mass  | The amount of material in an object  |
| Resistance  | A force that slows down a moving object (such as an airplane) by going against the direction in which the object is moving |
| Momentum | The strength of movement  |
| Acceleration | The measure of how fast an object increases speed  |
| Inertia | Tendency of an object to resist a change in motion  |
| Speed  | How far an object moves  |
| Velocity  | How fast an object moves in a certain direction |
| Distance  | The space between two objects |
| Direction  | The path that something moves along  |
| Position  | A place where something has started or been put  |
| Kinetic Energy  | Energy in motion |
| Potential Energy  | Stored energy  |
| Thermal Energy  | Heat energy  |

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| **Academic Vocabulary**  |
| Increase  | To become larger or greater in size, amount, or number |
| Decrease  | To become smaller or less in size, amount, or number  |
| Factors Decompose | Something that affects a situation To break apart |
| Transfer | To move from one to another  |
| Evaluate  | To solve |
| Analyze  | To study something closely and carefully |
| Infer | Information put with knowledge to determine the answer  |
| Describe | To tell about in your own words |
| Support | Back up with details to tell why |
| Compare | To tell how things are similar |
| Contrast  | To tell how thing are different  |
| Conclude  | To end  |
| Approximate  | Close in value but not exact |
| Primary  | Most important or happens first  |
| Equivalent  | Having the same value  |
| Frequent | Happening often  |
| Rapid | Happening quickly  |
| Predict | To tell what will happen next or in the future  |