**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 |