**Descriptive Words – Making Observations**

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| **Type of Observation** | **Descriptive Data Words** | **Class Words** |
| **Shape** |  |  |
| **Size** |  |  |
| **Smell** |  |  |
| **Sound** |  |  |
| **Touch** |  |  |
| **Taste** |  |  |
| **Temperature** |  |  |
| **Color** |  |  |

**Making Observations**

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| **What is Data?**   * An observable element that we can use the senses to see, hear, smell, taste, or touch. * Information relevant to the scientific question we are asking. | | **What should we observe?** | | |
| * Shapes * Sizes * Smells * Sounds * Tastes | | * Temperatures * Colors * Touch – tactile * Movement * Changes |
| **When collecting data we might** | | **What should we do with data after collection?** | | |
| * Measure * Weigh * Touch * Smell | * Taste * Listen * Record/write * Illustrate | * Compare * Contrast * Analyze * Organize it | * Graph it * Make a chart * Write ideas * Predict | |

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| **Shapes**   * Is this object round? Rectangular? Triangular? * Is it amorphous – no shape? * Is it possible for this object to change shape? * If the object does change shape, why does it change shape? | **Sizes**   * Is this object large or small? * Is this object so small I can’t see it with the naked eye? * Can this object be measured in centimeters? In inches? In feet? |
| **Smells**   * Does the smell make me want to hold my nose? * Does the smell remind me of anything? * Does the smell have an earthy quality? A metallic quality? A chemical quality? | **Sounds**   * Is the sound high pitched? Low pitched? * Is the sound musical? Mechanical? * Does the sound occur naturally or manually? * Can we measure the sound in decibels? |
| **Tastes**   * Does the object have a sour taste? A spicy taste? A bland taste? A sweet taste? * Is the object hot, cold, cool, luke warm? * Does the object taste like anything else? * Does the object taste like it smells? | **Temperatures**   * Is the object hot, cold, cool, luke warm? * Can we measure the temperature of the object? * Can we measure it in Fahrenheit or Celsius? * Does a change in environmental temperature change this object? |
| **Colors**   * What color is the object? * Does it have multiple colors? * Do the colors change? * Is the color dark or light? * Is the object clear/see through? | **Touch**   * Is it possible to pick up and hold the object? * Does the object feel squishy, pointy, sharp, or dull? * Does the object change feel over time? * Does the temperature change the shape and feel of the object? |

**Descriptive Words – Making Observations – TEACHER COPY**

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| **Type of Observation** | **Descriptive Data Words** | | | **Class Words** |
| **Shape** | * Round * Large * Compact | * Rectangular * Small * Thick | * Amorphous * Boxy * Thin |  |
| **Size** | * Large * Tall * Centimeters | * Small * Inches * Yards | * Short * Feet * Handheld |  |
| **Smell** | * Pungent * Pleasant * Chemical * Fresh | * Faint * Sweet * Earthy * Floral | * Putrid * Spicy * Acidic * Skunky |  |
| **Sound** | * Piercing * Fizzing * Decibels * Chirping | * Faint * Whining * Crunching * Grating | * Dripping * Loud * Clicking * Rustling |  |
| **Touch** | * Feathery * Hot * Greasy * Spongy | * Abrasive * Mushy * Gritty * Fluffy | * Cool * Slippery * Sticky * Hard |  |
| **Taste** | * Acidic * Bland * Garlicky * Tangy | * Sweet * Cold * Earthy * Tasteless | * Sour * Hot * Bitter * Salty |  |
| **Temperature** | * Hot * Cool * Freezing | * Cold * Degrees * Frozen | * Luke-warm * Celsius * Fahrenheit |  |
| **Color** | * Saturated * Neon * Contrast * Cold | * Faded * Muddy * Bold * Colorless | * Bright * Clear * Warm * Deep |  |