**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?
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**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
 |  |