APPLICATION

Illustrate	Organize
Interpret data	Plan
Perform (experiment)	Make use of
Measure (quantity)	Use

ANALYSIS

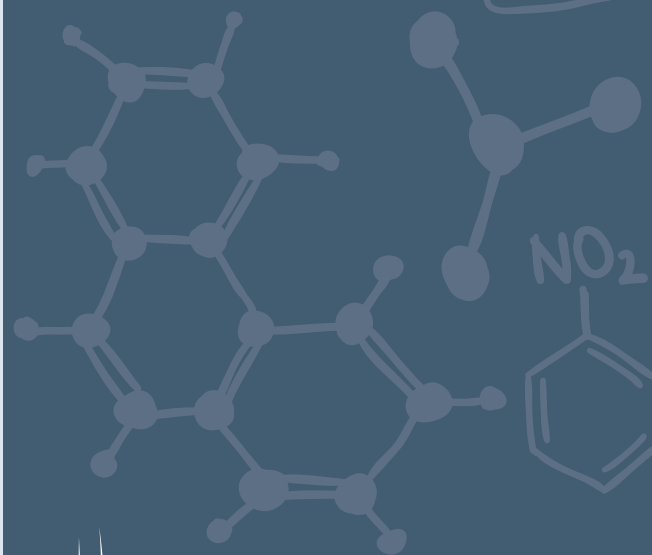|		
Calculate	Contrast	Take apart
Classify	Diagram	Categorize
Sort	Compare	

STEM
ACTIVITY CARDS

KANSAS
ENRICHMENT
NETWORK
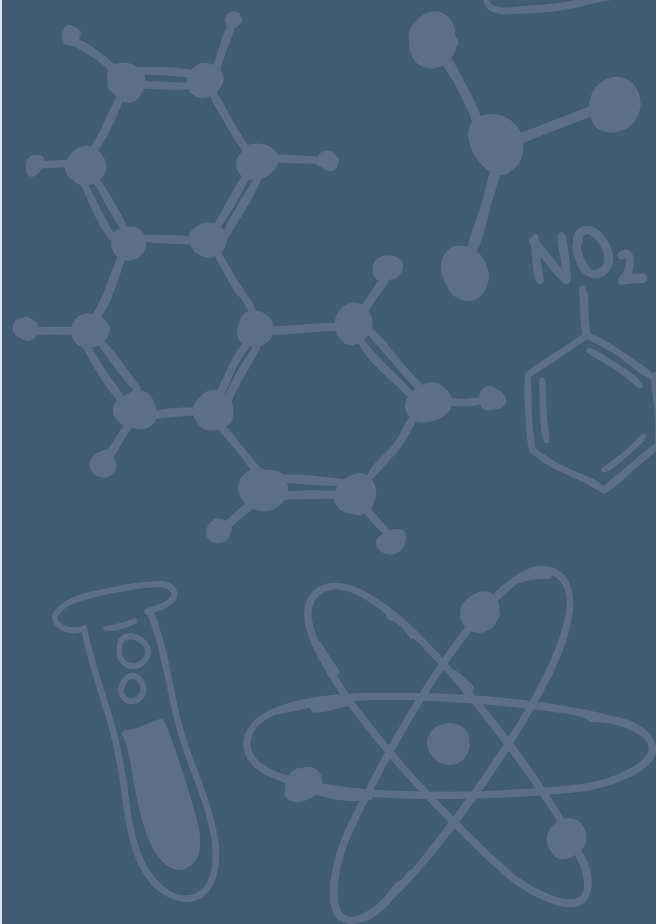*Making Connections for
Out-of-School Time*

APPLICATION

1. Write a paragraph explaining the concept we just read.
2. Describe what caused _____ to happen.
3. Discuss the meaning of _____.
4. Tell me in your own words _____.
5. Explain why _____.
6. Give examples of_____.
7. Classify the words in terms of _____.
8. Estimate the _____.

ANALYSIS

1. Compare differences and similarities of _____.
2. What made your experiment work?
3. Breakdown and examine each step of the experiment.
4. Diagram the pattern _____.
5. Prepare a chart that categorizes _____.
6. Illustrate the attributes it has, but does not need to have, classified as _____.
7. _____ is like _____ because _____. (anaology)
8. Determine three different ways to classify these.
9. Prepare a flow chart that breaks down the steps for _____.
10. What else would you need to know to solve this?

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KNOWLEDGE

Define   List   Name   Recognize

Label   Match   Recall   What
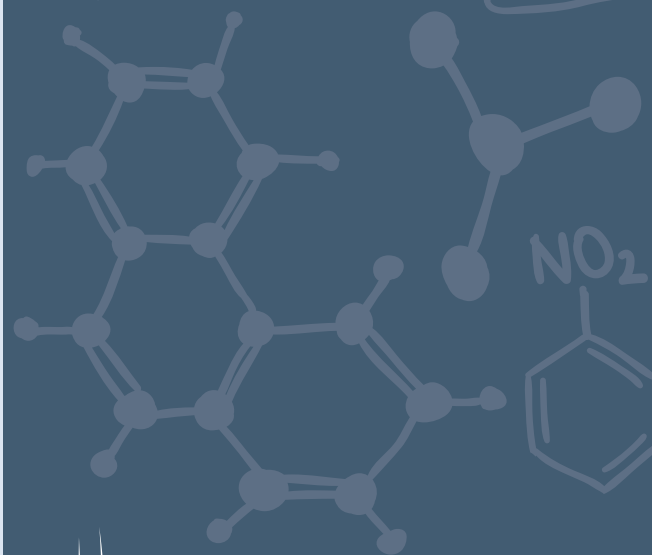
COMPREHENSION

Classify   Describe

Compare   Estimate

Contrast   Discuss

Give Examples

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KNOWLEDGE

1. What is the definition of _____?

2. What do you see?

3. List the objects.

4. Find the word that is _____.

5. List the characteristics.

6. List the steps.

7. Label the parts of _____.

8. Name the items that will _____.

COMPREHENSION

1. Write a paragraph explaining the concept we just read.

2. Describe what caused _____ to happen.

3. Discuss the meaning of _____.

4. Tell me in your own words _____.

5. Explain why _____.

6. Give examples of_____.

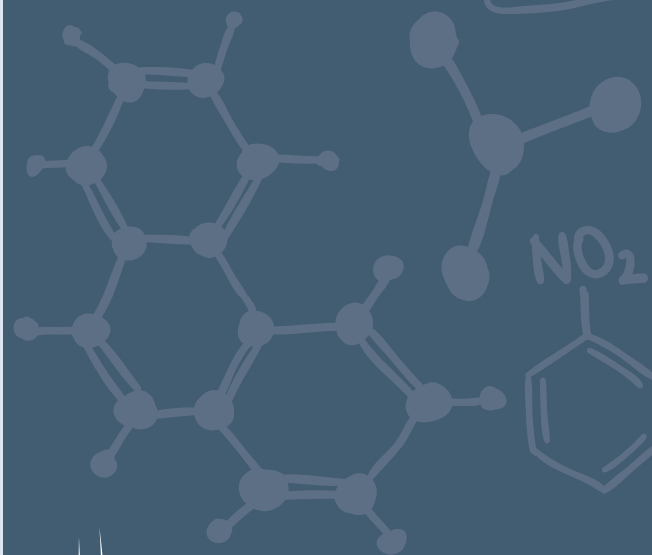**7.** Classify the words in terms of _____.

8. Estimate the _____.

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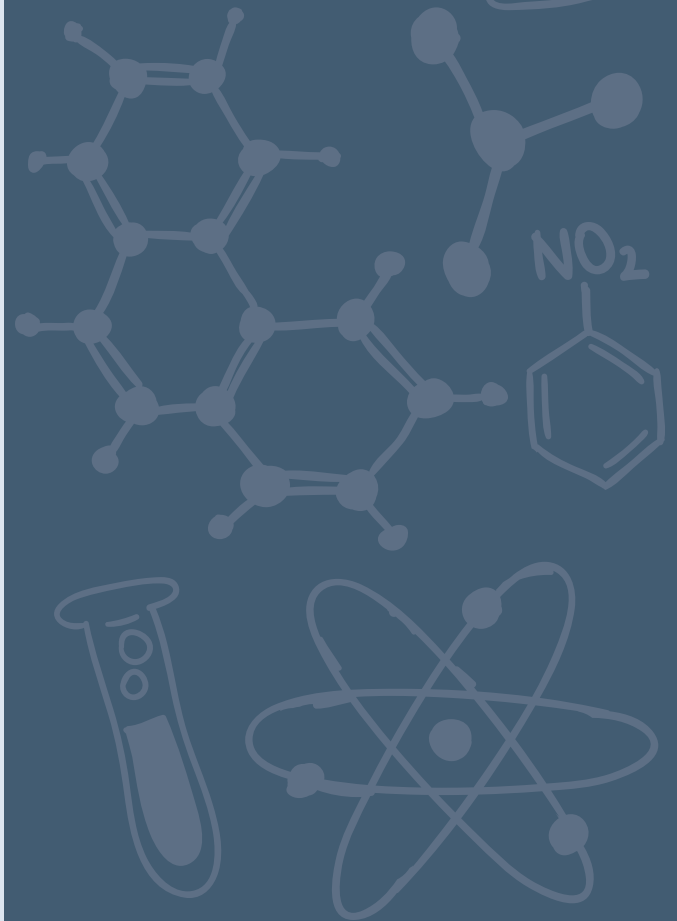
SYNTHESIS

Change	Formulate	Improve
Compile	Make up	Invent
Modify	Design	Create

EVALUATION

Debate	Score
Interpret	Revise
Recommend	Judge
Draw a conclusion	Justify

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SYNTHESIS

1. Predict the outcome of _____.
2. Form a hypothesis about _____.
3. Specify changes and invent a new _____.
4. Design a worst case scenario for _____.
5. Create a _____ using _____.
6. Create an observation process that does not disturb the natural habitats of _____.
7. Make up a procedure to explain this principle to a younger student.
8. Create a presentation for the class about other related science concepts.
9. What new experiment might test different variables?

EVALUATION

1. Justify the reasoning behind your conclusion/inference.
2. Develop two ways to test your hypothesis and draw a conclusion about which is better.
3. What in the experiment validated that your hypothesis was supported?
4. What are the ethics involved in this discovery?
5. Debate what the best solution might be.
6. Defend why consistent standards are important for the valid results of an experiment.
7. Defend your conclusions to a board of scientists.
8. Justify your opinion on _____.
9. Consider 5 scientific principles. Rate them according to difficulty.
10. What could you do to revise this experiment to make it more reliable?

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