

**Grade 11 Chemistry**  
**Physical Properties – Phase change assignment**

Your name: \_\_\_\_\_

Your task:

Use any one of the following assessment pieces to demonstrate the following:

Assessment pieces:

1. Create a short graphic novel/comic on the phase changes
  - a. Must have illustrations to show all states of matter and what happens when they undergo a phase change
  - b. Must have a storyline with characters
  - c. Must be at least 3-4 pages
2. Create a short video illustrating the key concepts
  - a. Must explain all the phase changes (voice over) or actual acting
  - b. Must have visuals to show the phase changes
  - c. Must include all the necessary concepts
3. Interpretive dance with visuals of the phase changes
  - a. Must dance to show the various phase changes
  - b. Must include visuals during the dance to illustrate the phase change
  - c. Dance must be well planned and programmed
4. A short 20min classroom lesson explaining the phase changes with visuals
  - a. Must teach the concepts to the class in 20mins time
  - b. Must teach it like a “teacher” with all the necessary worksheets, examples, demonstrations etc...
  - c. Must have visuals to demonstrate understanding
5. Other – please see me for this

What you need to demonstrate

- Illustrates the properties of matter in all 4 phases that we have studied in this unit.
- Displays this understanding through an illustration at the molecular level
- Shows your understanding through verbal explanations using Kinetic-Molecular Theory
- Shows your ability to visually represent information in a poster form neatly and accurately.
- Conveys your understanding of this concept by explaining 1 real life application

# Grade 11 Chemistry

## Phase Change Assignment Rubric

Names: \_\_\_\_\_

Assessment Piece: \_\_\_\_\_

|                                    | <b>Outstanding</b>  | <b>Satisfactory</b>  | <b>Needs Improvement</b>  | <b>Self Evaluation</b> | <b>Teacher Evaluation</b> |
|------------------------------------|---|--|---|------------------------|---------------------------|
| <b>Main Idea</b>                   | Assignment has a clear description which gives specific information about the main idea of the assignment.<br>(5 points)                    | Assignment has a description that gives some information about the main idea of the assignment.<br>(2 points)  | Assignment is missing description or statement of main idea.<br>(1 point)   |                        |                           |
| <b>Details from Research</b>       | Assignment includes all details from research and has clear labels, phrases, or sentence descriptions..<br>(5 points)                       | Assignment includes most details from research and has clear labels or phrases.<br>(3 points)  | Assignment includes a few details from research using labels or phrases.<br>(1 point)   |                        |                           |
| <b>Effectiveness of Assignment</b> | Assignment gives others a thorough understanding of topic researched with specific examples or illustrations.<br>(5 points)                 | Assignment gives others a solid understanding of topic researched.<br>(3 points)   | Assignment gives others a general understanding of topic researched.<br>(1 point)   |                        |                           |
| <b>Quality of Assignment</b>       | Assignment includes illustrations and labels. Content of assignment is edited for spelling and punctuation and has no errors.<br>(5 points) | Assignment includes illustrations and labels. Content of assignment is edited for spelling and punctuation and has less than 3 errors.<br>(2 points) | Assignment includes illustrations and labels. Content of assignment is not edited for spelling and punctuation and more than 3 errors.<br>(1 point) |                        |                           |
|                                    |   |  | <b>Total Score:</b>   | _____/20               | _____/20                  |

Comments: