**Candles: Part 2 Notebook Entry Assignment / Rubric**

**Title: Candles: Part 2**

**Learning target: Identify the energy transformations that occur when a candle is burning.**

**Drawing with captions**

**Include information that describes the event (what happened) and the scientific explanation (why it happened)**

**Use colors to help clarify**

**Write a summary paragraph**

It’s all about the learning target!

**Use a topic sentence.**

**Include important details**

**Summarize main concept(s)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **4** | **3** | **2** | **1** |
| **Drawing with captions** | Clear, accurate, detailed diagrams are included which demonstrate an advanced understanding of the event. Diagrams include labels and captions which accurately replicate the event with extended detail *and* demonstrate a comprehensive description of at least 2 additional identifications of energy transformations that occur when a candle burns. | Diagrams are included and are labeled neatly and accurately. These energy transformations must be identified:  Chemical (potential) energy inside the wax mixture is transformed into heat and light energy. Evidence should be clearly identified- how much heat? – how much light? | Diagrams are labeled and include captions, but only identified 2 of the3 forms identified for a level 3-proficient response. | Needed diagrams are missing OR are missing important labels and captions which identify only 1  of the 3 forms listed for a 3 level-proficient response. |
| **Summary Paragraph** | Paragraph illustrates an advanced understanding of forms of energy involved with burning a candle. In addition to the description required for a level 3-profficient response, 2 other cases must be discussed. | Summary paragraph illustrates an accurate and thorough understanding of scientific concepts underlying the lab. The three (3) forms of energy (see above) must be included in the discussion. | Paragraph includes a thorough discussion of 2 out of the 3 forms identified for a level 3-proficient response. The form and the evidence must be included. | Paragraph includes a thorough discussion of 0-1 out of the 3 forms identified for a level 3-proficient response. The form and the evidence must be included. |

**Candles: Part 2 Notebook Entry Assignment / Rubric**

**Title: Candles: Part 2**

**Learning target: Identify the energy transformations that occur when a candle is burning.**

**Drawing with captions**

**Include information that describes the event (what happened) and the scientific explanation (why it happened)**

**Use colors to help clarify**

**Write a summary paragraph**

It’s all about the learning target!

**Use a topic sentence.**

**Include important details**

**Summarize main concept(s)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **4** | **3** | **2** | **1** |
| **Drawing with captions** | Clear, accurate, detailed diagrams are included which demonstrate an advanced understanding of the event. Diagrams include labels and captions which accurately replicate the event with extended detail *and* demonstrate a comprehensive description of at least 2 additional identifications of energy transformations that occur when a candle burns. | Diagrams are included and are labeled neatly and accurately. These energy transformations must be identified:  Chemical (potential) energy inside the wax mixture is transformed into heat and light energy. Evidence should be clearly identified- how much heat? – how much light? | Diagrams are labeled and include captions, but only identified 2 of the3 forms identified for a level 3-proficient response. | Needed diagrams are missing OR are missing important labels and captions which identify only 1  of the 3 forms listed for a 3 level-proficient response. |
| **Summary Paragraph** | Paragraph illustrates an advanced understanding of forms of energy involved with burning a candle. In addition to the description required for a level 3-profficient response, 2 other cases must be discussed. | Summary paragraph illustrates an accurate and thorough understanding of scientific concepts underlying the lab. The three (3) forms of energy (see above) must be included in the discussion. | Paragraph includes a thorough discussion of 2 out of the 3 forms identified for a level 3-proficient response. The form and the evidence must be included. | Paragraph includes a thorough discussion of 0-1 out of the 3 forms identified for a level 3-proficient response. The form and the evidence must be included. |