Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd: \_\_\_ Ast: \_\_\_\_\_

**SCIENTIFIC KNOWLEDGE NOTES**

8th Grade Comprehensive Science

1. Read each statement below.
2. Before the presentation, indicate whether you think it is true or false based on what you know about science by circling either TRUE or FALSE in the column on the left side of the paper.
3. During the presentation, pay attention for information that either supports or changes your original answer. In the middle column, write down those key statements.
4. After the presentation, on the right side, mark your final answer (true or false).

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **BEFORE PRESENTATION** | | | | **STATEMENT & SUPPORT** | | **AFTER PRESENTATION** | | | | |
| TRUE | | FALSE | | 1. Science is a list of facts that remains consistent over time. | | **TRUE** | | | **FALSE** | |
| Support: | | | | | | | | | | |
| TRUE | | FALSE | | 1. Scientific explanations are based on proven facts. | | **TRUE** | | **FALSE** | | |
| Support: | | | | | | | | | | |
| TRUE | | FALSE | | 1. Scientific knowledge is the result of an experiment. | | **TRUE** | | **FALSE** | | |
| Support: | | | | | | | | | | |
| TRUE | | FALSE | | 1. Scientific knowledge is proven through confirmation. | | **TRUE** | | **FALSE** | | |
| Support: | | | | | | | | | | |
| TRUE | | FALSE | | 1. Scientific knowledge has been proven, and as a result, remains constant. | | **TRUE** | | **FALSE** | | |
| Support: | | | | | | | | | | |
| TRUE | | FALSE | | 1. A scientific theory is an idea without enough proof, so it isn’t a “law” yet. | | **TRUE** | | **FALSE** | | |
| Support: | | | | | | | | | | |
| TRUE | | FALSE | | 1. Scientific theories are usually discarded (*abandoned*) when new evidence is collected that does not fit within the current understanding. | | **TRUE** | | **FALSE** | | |
| Support: | | | | | | | | | | |
| TRUE | FALSE | | 1. Scientific laws represent our best explanations for natural phenomena. | | **TRUE** | | **FALSE** | | |
| Support: | | | | | | | | | |
| TRUE | FALSE | | 1. Scientists rarely use models because they make it more difficult to understand a topic. | | **TRUE** | | **FALSE** | | |
| Support: | | | | | | | | | |
| TRUE | FALSE | | 1. Models are unlimited in their usefulness to scientists. | | **TRUE** | | **FALSE** | | |
| Support: | | | | | | | | | |
| TRUE | FALSE | | 1. Science is an all-inclusive discipline that can be used to help us understand all aspects of our world. | | **TRUE** | | **FALSE** | | |
| Support: | | | | | | | | | |
| TRUE | FALSE | | 1. Science is the best tool for us to use to understand our lives/the world. | | **TRUE** | | **FALSE** | | |
| Support: | | | | | | | | | |
| TRUE | FALSE | | 1. Science can help us investigate the natural world, the supernatural world, and matters of faith, artistic expression, and feeling. | | **TRUE** | | **FALSE** | | |
| Support: | | | | | | | | | |
| TRUE | FALSE | | 1. We can use science to prove our ideas about how the world works. | | **TRUE** | | **FALSE** | | |
| Support: | | | | | | | | | |
| TRUE | FALSE | | 1. Scientists disregard (*ignore*) evidence that contradicts (*goes against*) the most widely accepted explanations in an effort to remain constant. | | **TRUE** | | **FALSE** | | |
| Support: | | | | | | | | | |
| TRUE | FALSE | | 1. Pseudoscience is a way for us to use science to study the unknown world. | | **TRUE** | | **FALSE** | | |
| Support: | | | | | | | | | |