**Card Sort - What is Science?**

1. Cut the cards apart
2. Place the cards into two piles:  agree and disagree
3. Identify the cards in your agree pile by card number on a sheet of paper, then do the same for the cards in your disagree pile.
4. Compare your cards with your shoulder partner and discuss the choices you made. Then compare your sort to the answers on your Science Knowledge Survey (green sheet in your science notebook). You can change your sort or the answers on the Survey if needed after your discussion with your shoulder partner.
5. Compare your “disagree” pile with the “Science is NOT a process that…” notes that will be on the board at the end of the period.
6. Glue all the “agree” cards on the colored paper!

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| 1.  Science gets closer and closer to the truth. | 8.  Scientific observations of the same object or process leads to identical interpretations. | 15.  Science and its methods provide absolute proof. |
| 2.  Science and its methods can answer all questions. | 9.  Facts do not speak for themselves, they must be interpreted by theory. | 16.  Scientific concepts are discovered.  |
| 3.  A scientist should not allow preconceived theoretical ideas to guide observation and experimentation. | 10.  Experiments are the principle route to scientific knowledge. | 17.  Scientists are particularly objective. |
| 4.  Careful observation gives us the truth about the world around us. | 11.  Science is one of several ways of knowing. | 18.  Historically, Science has been dominated by white Europeans and North American males. |
| 5.  Evidence accumulated carefully will result in knowledge. | 12.  All work in science is reviewed to keep the process honest. | 19.  Theories change when new conceptualizations account for anomalous data.   |
| 6.  Hypothesis become theories, which become laws. | 13.  Theories serve to give direction to observations -- they tell one where to look. | 20.  Science deals with testable questions. |
| 7.  A general and universal scientific method is used by all scientists. | 14.  Scientific concepts are invented  | 21.  What scientists choose to study reflect the social values and views of the time. |