Scientific Question Sort: Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Sort the following questions as best you can based on what you think a scientific question is ☺

**Scientific Question Non-scientific question**

1. Do all bugs have blood?
2. Do fingers wrinkle faster in hot or cold water?
3. Does a vegetarian diet contain the same vitamins and minerals as a meat-containing diet?
4. When is breakfast?
5. Are people who sell flowers happier than people who don’t sell flowers?
6. Is smoke pretty?
7. Could Abraham Lincoln whistle?
8. Do ghosts haunt Casey Middle School?
9. How can I get my dog to stop barking?

Now some details about what a scientific question is:

* Testable questions **ask about objects, organisms, and events in the natural world.**
* Testable questions can be **answered through investigations that involve experiments, observations, or surveys.**
* Testable questions are **answered by collecting and analyzing evidence that is measurable.**
* Testable questions **relate to scientific ideas rather than personal preference** or moral values.
* Testable questions **do not relate to the supernatural or to non-measurable phenomena.**

Your turn: Write a scientific question!

Check answers on back!

Scientific questions, based on the general guidelines explained, are: A, B, C, and I.

Non-scientific question – would be: D, E, F, G, and H.

If you think otherwise – come discuss it with me! If you have a good experimental design in mind and verifiable data can be obtained…it’s might qualify as a scientific question!!!!!