

Name KEY Organizing the Periodic Table

1. What does each row (across) have in common?

Shape

2. What does each column (down) have in common?

Color

3. Which number is always increasing throughout your organized table?

Top number

4. What does the top number represent?

Atomic Number: number of protons in the nucleus of an atom - on the periodic table of elements.

5. What would happen if you had used the lower number instead? Would it still work?

Why or why not?

It wouldn't work because the numbers wouldn't allow you to also line up shapes and colors as well.

6. Are there missing 'oranges' in the top 4 rows across? How do you know?

no - because there are no gaps in the top number.

7. Predict what is missing from the bottom row. What color, shape, and numbers would you expect to find?

Orange, mean shape, top # 30, bottom 54-56
- Hint: You use the pattern to predict what goes there!