Are you confident that you could:

1. Construct a chemical reaction equation from a written description or diagram?
   1. Yes
   2. Maybe
   3. No
2. Balance a chemical reaction equation?
   1. Yes
   2. Maybe
   3. No
3. Distinguish between gas, liquid, and solid?
   1. Yes
   2. Maybe
   3. No
4. Read a phase diagram?
   1. Yes
   2. Maybe
   3. No
5. Analyze a system in which a substance was evaporating (liquid to gas)?
   1. Yes
   2. Maybe
   3. No
6. Analyze a system in which a substance was condensing (gas to liquid)?
   1. Yes
   2. Maybe
   3. No
7. Analyze a system in which a substance was melting (solid to liquid)?
   1. Yes
   2. Maybe
   3. No
8. Analyze a system in which a substance was freezing (liquid to solid)?
   1. Yes
   2. Maybe
   3. No
9. Apply the law of conservation of mass (matter cannot be created or destroyed) to solve a problem?
   1. Yes
   2. Maybe
   3. No
10. Compare and contrast endothermic (absorbs heat) and exothermic (releases heat) reactions?
    1. Yes
    2. Maybe
    3. No
11. Use the properties of atoms to solve a problem?
    1. Yes
    2. Maybe
    3. No
12. Use moles to solve a problem?
    1. Yes
    2. Maybe
    3. No
13. Use logarithms to solve a problem?
    1. Yes
    2. Maybe
    3. No
14. Use exponents to solve a problem?
    1. Yes
    2. Maybe
    3. No
15. Use proportions to solve a problem?
    1. Yes
    2. Maybe
    3. No
16. Use algebraic factorization to solve a problem?
    1. Yes
    2. Maybe
    3. No
17. Graph an algebraic equation?
    1. Yes
    2. Maybe
    3. No
18. Use graphs to solve a problem?
    1. Yes
    2. Maybe
    3. No
19. Translate numbers to/from scientific notation?
    1. Yes
    2. Maybe
    3. No
20. Manipulate numbers in scientific notation?
    1. Yes
    2. Maybe
    3. No