

Assessment: Physical/Chemical
Properties/Changes

Name _____

1. Read the following properties and changes. Decide if each one is physical (P) or chemical (C), and whether it is a property (P) or a change (C).

Thus, something that is a physical change would be labeled PC.

1. _____ boiling point
2. _____ Color
3. _____ crushing rocks
4. _____ Acidity
5. _____ lighting a candle
6. _____ Texture
7. _____ flammability - the ability of an object to support combustion
8. _____ combustibility - the ability of an object to burn or ignite
9. _____ ice cube melting
10. _____ melting point
11. _____ dry ice "smoking" at a concert
12. _____ alka seltzer tablets fizzing
13. _____ glass of water "sweating"
14. _____ malleability - the ability of a substance to be hammered into a flat sheet
15. _____ density

II. Fill in the Blanks

16. _____ properties can be observed without chemically changing matter.
17. _____ properties describe how a substance interacts with other substances.
18. _____ have definite shapes and definite volumes.
19. _____ have indefinite shapes and definite volumes.
20. _____ have indefinite shapes and indefinite volumes.
21. Phase changes are _____ changes.
22. _____ point is the temperature at which a liquid turns to a solid. It is also equal to the
23. _____ point which is the temperature at which a _____ turns to a _____.
24. _____
25. _____ point is the temperature at which a liquid turns to a gas, and _____ point is the temperature at which a gas turns to a liquid.
26. Occasionally, a solid turns directly into a gas without turning into a liquid first. This is called _____.

III. Label these changes as chemical (C) or physical (P).

27. _____ getting a haircut
28. _____ evaporation
29. _____ tarnishing silver
30. _____ formation of acid rain