

Name _____ per _____

DO NOW:

Physical, Chemical and Nuclear changes

State whether each statement describes a **P**hysical, **C**hemical or **N**uclear change and state at least ONE piece of evidence from **your notes** to support your decision!!
If the change seems to be both physical and chemical, it is first and foremost **chemical**, possibly with some side effects that are physical.

Ex: C The food you eat is digested in your stomach. **color A, texture A, gas released!**

- _____ 1. iron rusts _____
- _____ 2. smells funky (like a swamp) on a hot day _____
- _____ 3. takes the shape of its container when poured _____
- _____ 4. panning for gold using a sieve _____
- _____ 5. corrodes your skin (turns it into pink slime) _____
- _____ 6. liquid nitrogen (-170°C!) evaporates into gas _____
- _____ 7. ice cream melts in the sun _____
- _____ 8. a tablet fizzes when added to vinegar _____
- _____ 9. sawdust ignites easily and burns quickly _____
- _____ 10. rubber bands stretch _____
- _____ 11. when shaken together, oil and water make layers _____
- _____ 12. bleach removes grass stains from a white shirt _____
- _____ 13. sawing a log in half _____
- _____ 14. barbecuing tri-tip to medium-rare _____
- _____ 15. dissolving Unnu powder in water _____
- _____ 16. lighting a campfire _____
- _____ 17. fusing hydrogen atoms together to make helium _____
- _____ 18. setting off firecrackers _____
- _____ 19. a puddle evaporates in the sun _____
- _____ 20. a melting popsicle _____
- _____ 21. potato salad spoils in the heat of summer _____
- _____ 22. uranium atoms split into smaller krypton and barium atoms _____
- _____ 23. a flower grows in a garden (photosynthesis) _____
- _____ 24. A clear blue liquid evaporates, leaving behind a blue solid residue.

- _____ 25. a muddy solution is poured into a filter and small brown particles
are trapped on it, while a clear fluid drips through. _____
- _____ 26. A yellow crystal is exposed to sunlight. A green vapor escapes, and leaves behind a clear crystal.

- _____ 27. Condensation of the green vapor in #26. _____
- _____ 28. Metal shavings stick to a magnet. _____
- _____ 29. A silvery metal is put into a flame and a black powder is formed.

- _____ 30. In the sun, two helium atoms fuse together to form a new
beryllium atom.
