

**Objective:** Use the notes from class, along with your own outside research, to familiarize yourself with the periodic table.

| Period | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1      | H  | He |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 2      | Li | Be | B  | C  | N  | O  | F  | Ne |    |    |    |    |    |    |    |    |    |    |
| 3      | Na | Mg | Al | Si | P  | S  | Cl | Ar |    |    |    |    |    |    |    |    |    |    |
| 4      | K  | Ca | Sc | Ti | V  | Cr | Mn | Fe | Co | Ni | Cu | Zn | Ga | Ge | As | Se | Br | Kr |
| 5      | Rb | Sr | Y  | Zr | Nb | Mo | Tc | Ru | Rh | Pd | Ag | Cd | In | Sn | Sb | Te | I  | Xe |
| 6      | Cs | Ba | La | Hf | Ta | W  | Re | Os | Ir | Pt | Au | Hg | Tl | Pb | Bi | Po | At | Rn |
| 7      | Fr | Ra | Ac | Rf | Mn | Co | Ni | Pd | Sr | Ag | Cd | In | Sn | Sb | Te | I  | Xe |    |

1. What is the periodic table and what is it used for?
2. How are elements arranged in the periodic table?
3. What is the difference between a metal and a nonmetal?
4. What is an alkali metal, an alkaline earth metal, a halogen, and a noble gas?

# Periodic Table Worksheet Chemistry If8766

**L Towner**



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6ox4x2 basic m n x 7 o x 4 x e x m n x 6 o x 4 x 2 b a s i c

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web mar 15 2019 what is the mechanism of toluene oxidation by kmno4 it is quite simple reaction that kmno4 can oxidize benzylic hydrogen in toluene and synthesize benzoic acid however i cannot find exact mechanism of reaction in

**oxidation of aromatic alkanes with kmno4 to give carboxylic acids** - Feb 09 2023

web description treatment of an alkylbenzene with potassium permanganate results in oxidation to give the benzoic acid notes the position directly adjacent to an aromatic group is called the benzylic position the reaction only works if there is a hydrogen attached to the carbon examples

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web may 1 2004 the oxidation of toluene by aq kmno 4 under hydrodynamic cavitation was taken as a model reaction and various parameters have been optimized the oxidation of toluene by aq kmno 4 gives benzoic acid scheme 1 kmno 4 in turn is reduced to mno 2 the reaction did not give any other byproduct