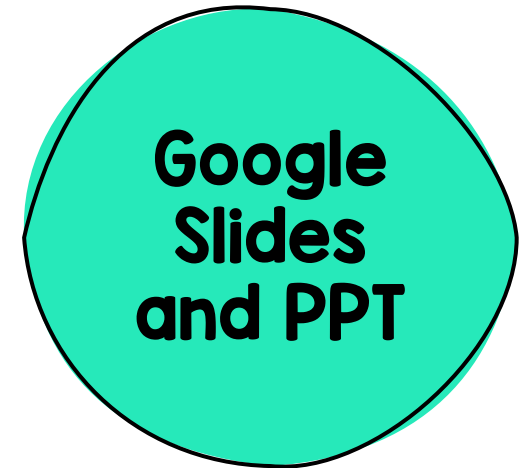


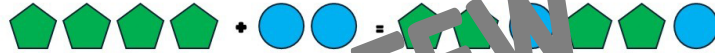
20 Digital Physical Science Practice Test Questions that cover:

- atoms, elements, compounds, and mixtures
- protons, neutrons, and electrons
- neutral atoms
- symbols, atomic number, atomic mass
- the periodic table
- groups and families
- chemical reactions
- physical and chemical changes
- balancing chemical equations
- and more!



Mr. Ralph is teaching about chemical reactions in his 8th grade science class. To help explain, he uses shapes to represent elements. Each shape represents a different element.

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Mr. Ralph asks his class whether or not the equation demonstrates the law of conservation of mass. Which is the best answer for Mr. Ralph? Drag the circle to the correct answer.

- Yes. The same number of symbols are included in both the reactants and the products.
- Yes. The number of each symbol is the same in both the reactants and the products.
- No. The symbols are out of order on each side of the equation.
- No. The reactants created new products.

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In this model of the Periodic Table of Elements, the elements are placed into groups (or families) such as nonmetals, noble gases, metalloids, etc. Why are elements organized in this way?

Drag the circle to the correct answer (best explanation).

- Elements are organized this way to make it easier to read.
- Elements in each group have similar properties (physical and chemical).
- Elements are grouped based on their shape and size.
- Elements are grouped based on when they were discovered.

Periodic Table of Elements

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	H											B	C	N	O	F	Ne
2	Li	Be										Al	Si	P	S	Cl	Ar
3	Na	Mg										Al	Si	P	S	Cl	Ar
4	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
5	Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Cd	In	Sn	Sb	Te	I	Xe
6	Cs	Ba	La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lr
7	Fr	Ra	Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr

q

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