

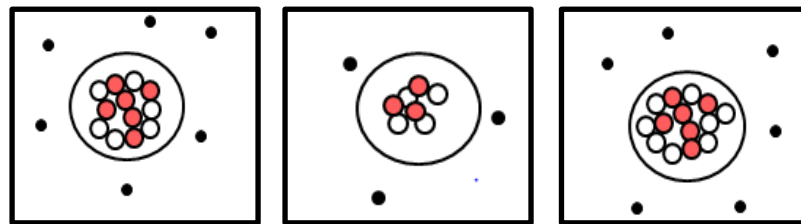
1 *Isotope Task Card*

Which of the following is NOT true of the isotopes an element?

- A. Isotopes have the same # of protons
- B. Isotopes have the same # of neutrons
- C. Isotopes have the same atomic #
- D. Isotopes have different mass #'s

2 *Isotope Task Card*

Which of the following is NOT an isotope of carbon?



A

B

C

3 *Isotope Task Card*

How is the mass number different from the atomic mass number?

4 *Isotope Task Card*

What is the percent abundance of an isotope?

5 *Isotope Task Card*

The average atomic mass is calculated from isotope data and is found to be 40.078 amu.

What element is this?

6 *Isotope Task Card*

Calculate the average atomic mass.

Isotope	Mass (amu)	Percent Abundance
Magnesium-24	23.985	78.70%
Magnesium-25	24.986	10.03%
Magnesium-26	25.983	11.17%

7 *Isotope Task Card*

Calculate the average atomic mass.

Isotope	Mass (amu)	Percent Abundance
Lithium-6	6.015	7.50%
Lithium-7	7.016	92.50%

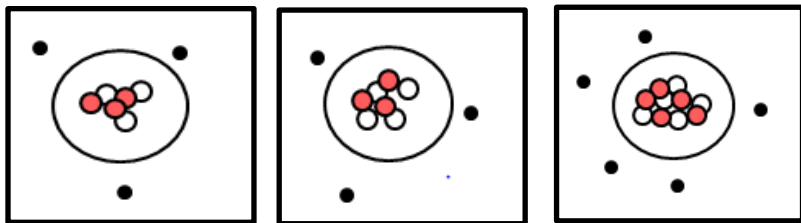
8 *Isotope Task Card*

Calculate the average atomic mass.

Isotope	Mass (amu)	Percent Abundance
Boron-10	10.013	7.50%
Boron-11	11.009	92.50%

1 *Isotope Task Card*

Which of the following is NOT an isotope of lithium?



A

B

C

2 *Isotope Task Card*

The average atomic mass is calculated from isotope data and is found to be 26.982 amu.

What element is this?

3 *Isotope Task Card*

Calculate the average atomic mass.

Isotope	Mass (amu)	Percent Abundance
Sulfur-32	31.972	95.00%
Sulfur-33	32.971	0.760%
Sulfur-34	33.967	4.220%

4 *Isotope Task Card*

Which of the following is NOT true of the isotopes an element?

- A. Isotopes have the same # of neutrons
- B. Isotopes have the same atomic #
- C. Isotopes have different mass #'s
- D. Isotopes have the same # of protons

5 *Isotope Task Card*

Calculate the average atomic mass.

Isotope	Mass (amu)	Percent Abundance
Gold-197	196.798	50.0%
Gold-198	197.882	50.0%

6 *Isotope Task Card*

How is the mass number different from the atomic mass number?

7 *Isotope Task Card*

What is the percent abundance of an isotope?

8 *Isotope Task Card*

Calculate the average atomic mass.

Isotope	Mass (amu)	Percent Abundance
Chlorine-35	34.969	75.78%
Chlorine-37	36.966	24.22%

1 *Isotope Task Card*

Calculate the average atomic mass.

Isotope	Mass (amu)	Percent Abundance
Cesium-132	131.980	20.0%
Cesium-133	132.970	75.0%
Cesium-134	133.982	5.00%

2 *Isotope Task Card*

Which of the following is NOT true of the isotopes an element?

- A. Isotopes have the same atomic #
- B. Isotopes have the same # of protons
- C. Isotopes have the same # of neutrons
- D. Isotopes have different mass #'s

3 *Isotope Task Card*

Calculate the average atomic mass.

Isotope	Mass (amu)	Percent Abundance
Lithium-6	6.015	7.50%
Lithium-7	7.016	92.50%

4 *Isotope Task Card*

The average atomic mass is calculated from isotope data and is found to be 28.086 amu.

What element is this?

5 *Isotope Task Card*

How is the mass number different from the atomic mass number?

6 *Isotope Task Card*

What is the percent abundance of an isotope?

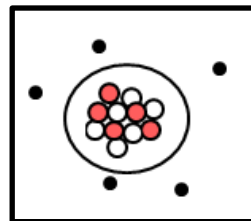
7 *Isotope Task Card*

Calculate the average atomic mass.

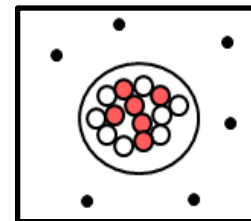
Isotope	Mass (amu)	Percent Abundance
Boron-10	10.013	7.50%
Boron-11	11.009	92.50%

8 *Isotope Task Card*

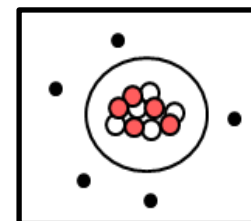
Which of the following is NOT an isotope of boron?



A



B



C

1 *Isotope Task Card*

What is the percent abundance of an isotope?

2 *Isotope Task Card*

Calculate the average atomic mass.

Isotope	Mass (amu)	Percent Abundance
Iodine-126	125.984	17.00%
Iodine-127	126.963	80.00%
Iodine-128	127.992	3.00%

3 *Isotope Task Card*

The average atomic mass is calculated from isotope data and is found to be 30.974 amu.

What element is this?

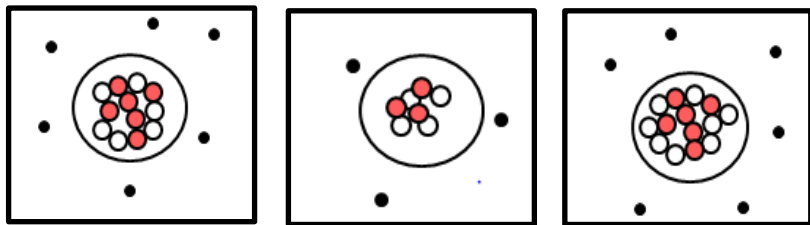
4 *Isotope Task Card*

Calculate the average atomic mass.

Isotope	Mass (amu)	Percent Abundance
Gold-197	196.798	50.0%
Gold-198	197.882	50.0%

5 *Isotope Task Card*

Which of the following is NOT an isotope of carbon?



A

B

C

6 *Isotope Task Card*

How is the mass number different from the atomic mass number?

7 *Isotope Task Card*

Which of the following is NOT true of the isotopes an element?

- A. Isotopes have the same # of protons
- B. Isotopes have the same atomic #
- C. Isotopes have the same # of neutrons
- D. Isotopes have different mass #'s

8 *Isotope Task Card*

Calculate the average atomic mass.

Isotope	Mass (amu)	Percent Abundance
Chlorine-35	34.969	75.78%
Chlorine-37	36.966	24.22%

1 *Isotope Task Card*

How is the mass number different from the atomic mass number?

2 *Isotope Task Card*

The average atomic mass is calculated from isotope data and is found to be 32.066 amu.

What element is this?

3 *Isotope Task Card*

Calculate the average atomic mass.

Isotope	Mass (amu)	Percent Abundance
Lithium-6	6.015	7.50%
Lithium-7	7.016	92.50%

4 *Isotope Task Card*

Calculate the average atomic mass.

Isotope	Mass (amu)	Percent Abundance
Magnesium-24	23.985	78.70%
Magnesium-25	24.986	10.03%
Magnesium-26	25.983	11.17%

5

Isotope Task Card

Calculate the average atomic mass.

Isotope	Mass (amu)	Percent Abundance
Boron-10	10.013	7.50%
Boron-11	11.009	92.50%

6

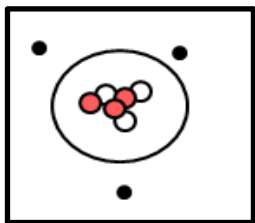
Isotope Task Card

What is the percent abundance of an isotope?

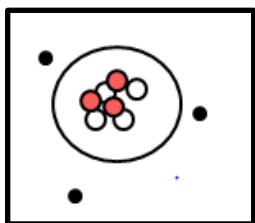
7

Isotope Task Card

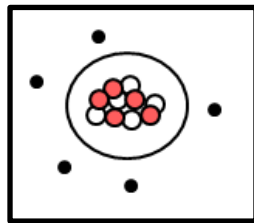
Which of the following is NOT an isotope of lithium?



A



B



C

8

Isotope Task Card

Which of the following is NOT true of the isotopes an element?

- A. Isotopes have the same # of protons
- B. Isotopes have the same atomic #
- C. Isotopes have different mass #'s
- D. Isotopes have the same # of neutrons

1 *Isotope Task Card*

The average atomic mass is calculated from isotope data and is found to be 35.453 amu.

What element is this?

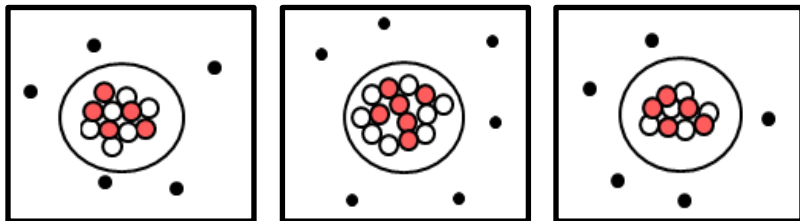
2 *Isotope Task Card*

Calculate the average atomic mass.

Isotope	Mass (amu)	Percent Abundance
Gold-197	196.798	50.0%
Gold-198	197.882	50.0%

3 *Isotope Task Card*

Which of the following is NOT an isotope of boron?



A

B

C

4 *Isotope Task Card*

How is the mass number different from the atomic mass number?

5 *Isotope Task Card*

Which of the following is NOT true of the isotopes an element?

- A. Isotopes have the same # of neutrons
- B. Isotopes have the same atomic #
- C. Isotopes have different mass #'s
- D. Isotopes have the same # of protons

6 *Isotope Task Card*

Calculate the average atomic mass.

Isotope	Mass (amu)	Percent Abundance
Chlorine-35	34.969	75.78%
Chlorine-37	36.966	24.22%

7 *Isotope Task Card*

Calculate the average atomic mass.

Isotope	Mass (amu)	Percent Abundance
Sulfur-32	31.972	95.00%
Sulfur-33	32.971	0.760%
Sulfur-34	33.967	4.220%

8 *Isotope Task Card*

What is the percent abundance of an isotope?