PRINCE EDWARD ISLAND CHEMISTRY 11 · UNIT D

Nature of Science and Atomic Theory — Practice Test

Prince Edward Island Chemistry 11 • 10 questions

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Three repeated measurements give 30, 33, and 31. What is the mean of the three measurements, to two decimal places**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A controlled experiment changes one variable while keeping other variables**

A changing

B constant

C ignored

D random always

Understand It with Pulse | Flag a mistake

3 **A fair test requires that only the independent variable is**

- A changed
- B measured
- C ignored
- D repeated

Understand It with Pulse | Flag a mistake

4 **The dependent variable in an experiment is the variable that is**

- A changed by the experimenter
- B kept constant
- C ignored
- D measured

Understand It with Pulse | Flag a mistake

5 **The independent variable in an experiment is the variable that is**

- **A** measured
- **B** kept constant
- **C** changed by the experimenter
- **D** ignored

Understand It with Pulse | Flag a mistake

6 **The Rutherford atomic model dates to about 1911, and the Bohr model dates to about 1913. How many years apart are the two models**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **The Thomson atomic model dates to about 1897, and the Rutherford model dates to about 1911. How many years apart are the two models**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **Thomson discovered the electron and proposed the**

A nuclear model

B plum pudding model

C planetary model

D quantum model

Understand It with Pulse | Flag a mistake

9 **Three repeated measurements give 15, 17, and 16. What is the mean of the three measurements, to two decimal places**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **Three repeated measurements give 40, 44, and 42. What is the mean of the three measurements, to two decimal places**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	31.33	**5.**	C	**9.**	16.00
2.	B	**6.**	2	**10.**	42.00
3.	A	**7.**	14		
4.	D	**8.**	B		

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