PRINCE EDWARD ISLAND SCIENCE 10 · FINAL EXAM

Final Exam — Practice Test

Prince Edward Island Science 10 • 50 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 **In cell study, what is the main purpose or meaning of cell?**

- A smallest unit of life
- B part controlling a cell
- C layer around a cell
- D part making energy for a cell

Understand It with Pulse | Flag a mistake

2 **In reaction study, what is the main purpose or meaning of reactant?**

A starting substance in a reaction

B substance made in a reaction

C burning reaction with oxygen

D substance releasing hydrogen ions

Understand It with Pulse | Flag a mistake

3 **In machine design, what is the main purpose or meaning of lever?**

A bar turning around a pivot

B pivot point of a lever

C wheel lifting with a rope

D toothed wheel transferring motion

Understand It with Pulse | Flag a mistake

4 **In cell study, what is the main purpose or meaning of nucleus?**

A layer around a cell

B part making energy for a cell

C particle infecting living cells

D part controlling a cell

Understand It with Pulse | Flag a mistake

5 **In reaction study, what is the main purpose or meaning of product?**

A burning reaction with oxygen

B substance releasing hydrogen ions

C substance accepting hydrogen ions

D substance made in a reaction

Understand It with Pulse | Flag a mistake

6 **In machine design, what is the main purpose or meaning of fulcrum?**

- A wheel lifting with a rope
- B toothed wheel transferring motion
- C force gain from a machine
- D pivot point of a lever

Understand It with Pulse | Flag a mistake

7 **In cell study, what is the main purpose or meaning of membrane?**

- A part making energy for a cell
- B layer around a cell
- C particle infecting living cells
- D single celled living organism

Understand It with Pulse | Flag a mistake

8 **In reaction study, what is the main purpose or meaning of combustion?**

A substance releasing hydrogen ions

B burning reaction with oxygen

C substance accepting hydrogen ions

D acid base reaction making salt

Understand It with Pulse | Flag a mistake

9 **In machine design, which term matches this description: toothed wheel transferring motion?**

A mechanical advantage

B work

C gear

D force

Understand It with Pulse | Flag a mistake

10 **In cell study, which term matches this description: particle infecting living cells?**

- A virus
- B bacterium
- C immune system
- D antibody

Understand It with Pulse | Flag a mistake

11 **In reaction study, which term matches this description: substance accepting hydrogen ions?**

- A base
- B neutralisation
- C catalyst
- D exothermic reaction

Understand It with Pulse | Flag a mistake

12 **In machine design, which term matches this description: force gain from a machine?**

A mechanical advantage

B work

C force

D efficiency

Understand It with Pulse | Flag a mistake

13 **In cell study, which term matches this description: single celled living organism?**

A immune system

B antibody

C bacterium

D vaccine

Understand It with Pulse | Flag a mistake

14 **In reaction study, which term matches this description: acid base reaction making salt?**

- A catalyst
- B exothermic reaction
- C neutralisation
- D endothermic reaction

Understand It with Pulse | Flag a mistake

15 **In machine design, what is the main purpose or meaning of work?**

- A push or pull on an object
- B useful output divided by input
- C sloping surface lifting a load
- D force times distance moved

Understand It with Pulse | Flag a mistake

16 **In cell study, which term matches this description: body defence against disease?**

A immune system

B antibody

C vaccine

D infection

Understand It with Pulse | Flag a mistake

17 **In reaction study, which term matches this description: substance speeding a reaction?**

A catalyst

B exothermic reaction

C endothermic reaction

D chemical equation

Understand It with Pulse | Flag a mistake

18 **In machine design, what is the main purpose or meaning of force?**

- A useful output divided by input
- B push or pull on an object
- C sloping surface lifting a load
- D early model for testing

Understand It with Pulse | Flag a mistake

19 **A cell study collection has 48 items. After 4 items are removed, the number of items left is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **A reaction study collection has 36 items. After 4 items are removed, the number of items left is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **In machine design, 30 notes are shared equally among 5 students. Each student receives**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **A cell study project uses 7 groups with 42 cards in each group. The total number of cards is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **A reaction study project uses 3 groups with 30 cards in each group. The total number of cards is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **A machine design display holds 24 items and a second display holds 4 items. The total number of items is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **In cell study, 40 notes are shared equally among 5 students. Each student receives**

ANSWER _____

Understand It with Pulse | Flag a mistake

26 **In reaction study, 42 notes are shared equally among 6 students. Each student receives**

ANSWER _____

Understand It with Pulse | Flag a mistake

27 **A machine design project uses 4 groups with 28 cards in each group. The total number of cards is**

ANSWER _____

Understand It with Pulse | Flag a mistake

28 **A cell study display holds 60 items and a second display holds 6 items. The total number of items is**

ANSWER _____

Understand It with Pulse | Flag a mistake

29 **A reaction study display holds 60 items and a second display holds 5 items. The total number of items is**

ANSWER _____

Understand It with Pulse | Flag a mistake

30 **A machine design collection has 32 items. After 8 items are removed, the number of items left is**

ANSWER _____

Understand It with Pulse | Flag a mistake

31 **In cell study, 36 notes are shared equally among 6 students. Each student receives**

ANSWER _____

Understand It with Pulse | Flag a mistake

32 **In reaction study, 40 notes are shared equally among 5 students. Each student receives**

ANSWER _____

Understand It with Pulse | Flag a mistake

33 **In machine design, what is the main purpose or meaning of efficiency?**

A sloping surface lifting a load

B early model for testing

C bar turning around a pivot

D useful output divided by input

Understand It with Pulse | Flag a mistake

34 **In cell study, which term matches this description: preparation building immunity?**

A vaccine

B infection

C cell

D nucleus

Understand It with Pulse | Flag a mistake

35 **In reaction study, which term matches this description: reaction absorbing heat?**

A endothermic reaction

B chemical equation

C reactant

D product

Understand It with Pulse | Flag a mistake

36 **In machine design, what is the main purpose or meaning of inclined plane?**

A early model for testing

B sloping surface lifting a load

C bar turning around a pivot

D pivot point of a lever

Understand It with Pulse | Flag a mistake

37 **In cell study, which term matches this description: illness caused by a germ?**

- A cell
- B nucleus
- C infection
- D membrane

Understand It with Pulse | Flag a mistake

38 **In reaction study, which term matches this description: symbols showing a reaction?**

- A reactant
- B product
- C chemical equation
- D combustion

Understand It with Pulse | Flag a mistake

39 **A machine design project uses 6 groups with 48 cards in each group. The total number of cards is**

ANSWER _____

Understand It with Pulse | Flag a mistake

40 **A cell study project uses 4 groups with 48 cards in each group. The total number of cards is**

ANSWER _____

Understand It with Pulse | Flag a mistake

41 **A reaction study project uses 4 groups with 36 cards in each group. The total number of cards is**

ANSWER _____

Understand It with Pulse | Flag a mistake

42 **A machine design collection has 42 items. After 7 items are removed, the number of items left is**

ANSWER _____

Understand It with Pulse | Flag a mistake

43 **In cell study, 24 notes are shared equally among 4 students. Each student receives**

ANSWER _____

Understand It with Pulse | Flag a mistake

44 **In reaction study, 24 notes are shared equally among 6 students. Each student receives**

ANSWER _____

Understand It with Pulse | Flag a mistake

45 **A machine design display holds 40 items and a second display holds 8 items. The total number of items is**

ANSWER _____

Understand It with Pulse | Flag a mistake

46 **A cell study display holds 40 items and a second display holds 5 items. The total number of items is**

ANSWER _____

Understand It with Pulse | Flag a mistake

47 **A reaction study display holds 42 items and a second display holds 6 items. The total number of items is**

ANSWER _____

Understand It with Pulse | Flag a mistake

48 **In machine design, 60 notes are shared equally among 10 students. Each student receives**

ANSWER _____

Understand It with Pulse | Flag a mistake

49 **In cell study, 60 notes are shared equally among 6 students. Each student receives**

ANSWER _____

Understand It with Pulse | Flag a mistake

50 **In reaction study, 60 notes are shared equally among 5 students. Each student receives**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	A	**18.**	B	**35.**	A
2.	A	**19.**	44	**36.**	B
3.	A	**20.**	32	**37.**	C
4.	D	**21.**	6	**38.**	C
5.	D	**22.**	294	**39.**	288
6.	D	**23.**	90	**40.**	192
7.	B	**24.**	28	**41.**	144
8.	B	**25.**	8	**42.**	35
9.	C	**26.**	7	**43.**	6
10.	A	**27.**	112	**44.**	4
11.	A	**28.**	66	**45.**	48
12.	A	**29.**	65	**46.**	45
13.	C	**30.**	24	**47.**	48
14.	C	**31.**	6	**48.**	6
15.	D	**32.**	8	**49.**	10
16.	A	**33.**	D	**50.**	12
17.	A	**34.**	A		

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