

2. SYMBOLS WITH LATIN, SCIENTIST AND COUNTRY NAMES

SOLUTIONS

TEACHING TASK

1. Symbol of Mendelevium is

A)No B)Md C)Mn D)Me

Answer:B

Solution:Mendelevium (atomic number 101) is named after Dmitri Mendeleev, with the symbol Md.

2. The name of 'C' is

A)Calcium B)Cadmium C)Carbon D)Chromium

Answer:C

Solution:C is the symbol for Carbon (atomic number 6).

3. Latin name of Iron:

A)Cuprum B)Wolfram C)Stibium D)Ferrum

Answer:D

Solution:Iron's Latin name is Ferrum, hence its symbol Fe.

4. Berkelium is named after which city?

A)America B)Poland C)City of Berkely D)None

Answer:C

Solution:Berkelium (Bk, atomic number 97) is named after Berkeley, California, where it was discovered.

5. Latin name of Mercury is....

A)Plumbum B)Hydragyrum C)Plumbum D)Aurum

Answer:B

Solution:Mercury's Latin name is Hydrargyrum ("liquid silver"), giving it the symbol Hg.

6. Curium is named after scientist.....

A)Mendeleev B)Alfred Nobel C)Madam Curie D)None

Answer:C

Solution:Curium (Cm, atomic number 96) honors Marie Curie, pioneer of radioactivity.

7. Pd stands for

A)Platinum B)Palladium C)Stibium D)Wolfram

Answer:B

Solution:Pd is the symbol for Palladium (atomic number 46), named after the asteroid Pallas.

8. The element is named after the name of country is

A)Curium B)Fermium C)Silver D)Ruthenium

Answer:D

Solution:Ruthenium (Ru, atomic number 44) is named after Ruthenia, the Latin name for Russia.

9. Symbol of Cadmium is

A)Cl B)Ca C)Cd D)Cm

Answer:C

Solution:Cadmium's symbol is Cd (atomic number 48), derived from its Latin name Cadmia.

10. Latin name of tin is

A)Stibium B)Stannum C)Strontium D)Ruthenium

Answer:B

Solution:Tin's Latin name is Stannum, leading to its symbol Sn.

MULTIPLE CORRECT ANSWER TYPE

11. The elements named after their countries are

A)Berkelium B)Californium C)Curium D)Ruthenium

Answer:A,B,D

Solution:Ruthenium (Ru): Named after Russia.

Californium (Cf): Named after the state of California, USA.

Berkelium (Bk): Also named after the city of Berkeley, California, USA.

Curium (Cm): Named after the scientists Marie and Pierre Curie, not a country.

12. Which of the following is/are correct?

A) Sulphur-S B)Cobalt-CO C)Sodium- Na D)Antimony-sB.

Answer:A,C

Solution:A) Sulphur-S: Correct symbol (atomic number 16)

C) Sodium-Na: Correct symbol (from Latin 'Natrium', atomic number 11)

B) Cobalt-CO: Incorrect - correct symbol is Co (CO is carbon monoxide)

D) Antimony-sB: Incorrect - correct symbol is Sb (from Latin 'Stibium')

STATEMENT TYPE

13. Statement -I:Latin name of Antimony is Stibium.

Statement -II: Latin name of Copper is Cuprum.

Answer:B

Solution:Statement-I is True:

Antimony's Latin name is indeed Stibium (hence its symbol Sb).

Statement-II is True:

Copper's Latin name is Cuprum (hence its symbol Cu).

Does Reason (Statement-II) explain Assertion (Statement-I)?

No. While both statements are true, the Latin name of copper does not explain why antimony is called Stibium. They are independent facts.

14. Statement -I: Symbol of Iron is Fe.

Statement -II: Symbol of Tungsten is T.

Answer:C

Solution:Statement-I is True:Iron's symbol is Fe (from Latin Ferrum).

Statement-II is False:Tungsten's symbol is W (from German Wolfram), not "T".

COMPREHENSION TYPE**Comprehension-1:**

15. The element Nobelium is named after the scientist

A)Madam Curie B)Mendeleeevium

C)Alfred Nobel D)Enrico Fermi

Answer:C

Solution:Nobelium (No) is named after Alfred Nobel, the inventor of dynamite and founder of the Nobel Prize.

Comprehension-2 :

Symbol is an abbreviation of short hand representation of an element.

16. Latin name of 'K' is:

A)Kalium B)Katrium C)Argentum D)Aurum

Answer:A

Solution:Symbol K comes from Kalium (Latin name for Potassium)

17. Latin name of Gold

A)Argentum B)Aurum C)Kalium D)Stannum

Answer:B

Solution:Symbol Au comes from Aurum, the Latin name for Gold

INTEGER TYPE:

18. Among Copper,Iron ,Silver, Neon and Flourine, How many elements symbols are based on latin names?

Answer:3

Solution:Copper → Symbol: Cu →From Latin "Cuprum"

Iron → Symbol: Fe → From Latin "Ferrum"

Silver → Symbol: Ag →From Latin "Argentum"

Neon → Symbol: Ne →Based on English name

Fluorine → Symbol: F →Based on English name

MATRIX MATCH TYPE:

19. **Answer:A-3,4,B-1,C-2,D-5**

Solution:

COLUMN-I

COLUMN-II

A. Tin

3.Stannum , 4.Sn

B. Tungsten

1.Wolfram

C.Polonium

2.Poland

D.Mendeleeevium

5. Mendeleeev

20.**Answer:A-4,B-3,C-2,D-1**

Solution:

COLUMN-I

COLUMN-II

A.Hydragyrum

4.Mercury

B. Plutonium

3.Pluto

C. Fermium

2.Enrico Fermi

D. Germanium

1.Germany

LEARNERS TASK

CONCEPTUAL UNDERSTANDING QUESTIONS (CUQ's)

1. Latin name of tungsten is

A)Wolfram B)Stibium C)Aurum D)Natrium

Answer:A

Solution:Tungsten's symbol W comes from its German name Wolfram.

2. Symbol of Curium is

A)Cu B)Ci C)Cm D)Cd

Answer:C

Solution:Curium (atomic number 96) is named after Marie Curie; symbol Cm.

3. Symbol of lead

A)Pb B)W C)Cd D)Na

Answer:A

Solution:Lead's symbol Pb derives from Latin Plumbum.

4. The symbol for silver in the periodic table is

A)Ag B) Au C) Al D) Li

Answer:A

Solution:Silver's symbol Ag comes from Latin Argentum.

5. Ca is the symbol of the element _____

A) Calcium B)Cadmium C)Cobalt D)Chlorine

Answer:A

Solution:Ca = Calcium (atomic number 20).

6. The element named after the name of 'America' is

A)American B)Amerium C)Americium D)Ameritium

Answer:C

Solution:Americium (Am, atomic number 95) honors the Americas.

7. Symbol of Gold is

A)Ag B)AU C)Au D)Go

Answer:C

Solution:Gold's symbol Au comes from Latin Aurum.

8. The element named after the name of Enrico Fermi is

A)Flourine B)Einsteinium C)Fermium D)Francium

Answer:C

Solution:Fermium (Fm, atomic number 100) honors physicist Enrico Fermi.

9. The element named after the name of planet is:

A)Carbon B)Americium C)Einsteinium D)Neptunium

Answer:D

Solution:Neptunium (Np) is named after Neptune. Others:Uranium (Uranus), Plutonium (Pluto).

10. Symbol of Germanium is

A)G B)Gm C)Ge D)gE

Answer:C

Solution:Germanium (atomic number 32) has symbol Ge (named after Germany).

JEE MAIN LEVEL QUESTIONS

1. Latin name of Antimony is

A)Stibium B)Wolfram C)Stannum D)Plumbum.

Answer:A

Solution:Antimony's symbol Sb comes from its Latin name Stibium.

2. Latin name of Copper is

A) Carbon B)Cuprum C)Calcium D)Cobalt

Answer:B

Solution:Copper's symbol Cu derives from Latin Cuprum.

3. Symbol of Beryllium is

A)B B)be C)Be D)By

Answer:C

Solution:Beryllium's symbol is Be (atomic number 4). Note: Symbols are case-sensitive.

4. Symbol of Barium is

A)Br B)Ba C)Bo D)Be

Answer:B

Solution:Barium's symbol is Ba (atomic number 56).

5. Latin name of Silver is

A)Natrium B)Cuprum C)Stannum D)Argentum

Answer:D

Solution:Silver's symbol Ag comes from Latin Argentum.

6. Symbol of sodium is

A)S B)Na C)Se D)Si

Answer:B

Solution:Sodium's symbol Na derives from Latin Natrium.

7. A symbol represents short form of an

A)Compound B)Element C)Mixture D)Radical

Answer:B

Solution:Symbols (e.g., H, O) represent elements, not compounds/mixtures.

8. The elements named after latin names are

A)Sodium B)Potassium C)Lead D)All

Answer:D

Solution:Sodium: Natrium (Na)

Potassium: Kalium (K)

Lead: Plumbum (Pb)

9. Symbol of Ruthenium

A)Re B)Ru C)Ra D)Rh

Answer:B

Solution:Ruthenium's symbol is Ru (atomic number 44).

10. Symbol of Manganese

A)Mg B)Ma C)MN D)Mn

Answer:D

Solution:Manganese's symbol is Mn (atomic number 25).

ADVANCED LEVEL QUESTIONS

MULTIPLE CORRECT ANSWER TYPE

11. The elements named after scientist names are:

A) Mendeleevium B)Fermium C)Nobelium D)Neptunium

Answer:A,B,C

Solution:A) Mendeleevium → Named after Dmitri Mendeleev

- B) Fermium → Named after Enrico Fermi
C) Nobelium → Named after Alfred Nobel
D) Neptunium → Named after the planet Neptune, not a scientist
12. The elements having symbols based their latin names are
A)Copper B)Manganese C)Iron D)Tin

Answer:A,C,D

- Solution:A) Copper → Symbol Cu from Latin "Cuprum"
B) Manganese → Symbol Mn is from English, not Latin
C) Iron → Symbol Fe from Latin "Ferrum"
D) Tin → Symbol Sn from Latin "Stannum"

COMPREHENSION TYPE

Paragraph-1:

13. The element named after the planet 'Uranus' is
A)Plutonium B)Neptunium C)Uranium D)Polonium

Answer:C

- Solution:A) Plutonium → Named after Pluto
B) Neptunium → Named after Neptune
C) Uranium → Named after Uranus
D) Polonium → Named after Poland

14. 'Es' stands for

- A)Fermium B)Enrico Fermi C)Einsteinium D)Albert Einstein.

Answer:C

Solution:Es is the chemical symbol for Einsteinium (atomic number 99).
It is named after the physicist Albert Einstein.

Paragraph-2 :

Symbol is an abbreviation of short hand representation of an element.

15. Latin name of 'K' is:

- A)Kalium B)Katrium C)Argentum D)Aurum

Answer:A

Solution:Potassium = K from Kalium

16. Latin name of Tungsten is:

- A)Stibium B)Wolfram C)Plumbum D)Cuprum

Answer:B

Solution:Tungsten = W from Wolfram

17. Latin name of Gold

- A)Argentum B)Aurum C)Kalium D)Stannum

Answer:B

Solution:Gold = Au from Aurum

INTEGER TYPE:

18. Number of elements named after planet are.....

Answer:3

Solution:Uranium → Uranus

Neptunium → Neptune

Plutonium → Pluto (considered a planet when named)

- 19 Atomic number of Sodium is

