

Question No. 1

Which of the following is the lowest temperature?

- 273 Kelvin
- 100 Fahrenheit
- 100 Kelvin
- 100 Celsius

Total questions in exam: 20 | Answered: 6

Question No. 7

Which one of the following does NOT have the same electron configuration as the O^{2-} anion?

- Mg^{2+} ion
- Al^{3+} ion
- Na^{1+} ion
- Oxygen atom



Total questions in exam: 20 | Answered: 8

Question No. 9

Which of the following name/symbol pairs is incorrect?

- Lead, Pb
- Palladium, Pd
- Platinum, Pt
- Phosphorus, Pr



Total questions in exam: 20 | Answered: 8

Question No. 9

Which of the following name/symbol pairs is incorrect?

- Lead, Pb
- Palladium, Pd
- Platinum, Pt
- Phosphorus, Pr

Total questions in exam: 20 | Answered: 9

Question No. 10

The number of electrons in the shell with $n = 4$ is

- 32 electrons
- 18 electrons
- 16 electrons
- 8 electrons



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Total questions in exam: 20 | Answered: 14

Question No. 15:

Which of the following elements has chemical properties similar to magnesium, Mg?

- Aluminum, Al
- Calcium, Ca
- Manganese, Mn
- Sodium, Na



Total questions in exam: 20 | Answered: 16

Question No. 17

Which of the following elements has the lowest ability to gain electrons?

- Fluorine, F
- Carbon, C
- Oxygen, O
- Nitrogen, N



Total questions in exam: 20 | Answered: 18

Question No. 19

Germanium is an example of

- Alkali metals
- Conductors
- Halogens
- Semiconductors

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Calculator

Instructions

End Test

Total questions in exam: 20 | Answered: 4

Question No. 6

Which one of the following does NOT have the same electron configuration as the F^- anion? Ne Al^{3+} Na^+ S^{2-}

Save & Next

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Gold has a density of 0.0193 kg/cm^3 . What would be the volume occupied by a sample of gold?

- 186.25 cm^3
- 5000 cm^3
- 18.62 cm^3
- 5 cm^3

Save & Next

Which element has the following ground state electron configuration $1S^2 2S^2 2P^6 3S^2$?

- Na
- Al
- Si
- Mg

The number of electrons in the shell with $n = 3$ is .

- 18 electrons
- 8 electrons
- 32 electrons
- 2 electrons

Save & Next



Total questions: 1

Which of the following elements has chemical properties similar to oxygen, O?

- Fluorine, F
- Nitrogen, N
- Sulfur, S
- Hydrogen, H

Save & Next

What is the isotopic symbol of the aluminum isotope containing 14 neutrons?

- ${}^{14}_{13}\text{Al}$
- ${}^{27}_{14}\text{Al}$
- ${}^{14}_{14}\text{Al}$
- ${}^{27}_{13}\text{Al}$

The potential energy is

- the stored energy, and it is based on the position or composition.
- the energy of motion.
- a form of kinetic energy.
- the stored energy, and it is based on the motion.

Save & Next

How many nanometers are there in 16 decimeters?

- 1.6×10^9 nanometers
- 16×10^{10} nanometers
- 16×10^{-9} nanometers
- 1.6×10^{-9} nanometers

Which one of these elements is a nonmetal?

Sr

Fe

H

Pb



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Which of the following statements about gases is false?

- Gases expand to fill the container they are placed in.
- Gases are highly compressible.
- Gas particles do not move around or past each other.
- Distances between particles of gases are very large.



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Group 8A elements are also called

- Noble gases
- Alkaline earth metals
- Alkali metals
- Halogens



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Which of the following is the highest temperature?

- 1 Celsius
- 270 Kelvin
- 0 Kelvin
- 0 Fahrenheit

Which of the following is NOT a correct name/symbol combination?

- Beryllium, Be
- Iron, Fe
- Manganese, Mg
- Phosphorus, P



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What Kelvin temperature is equal to 80 Fahrenheit?

299.8 K

27.7 K

30 K

305 K

Which one of the following does NOT have the same elec

- Oxygen atom
- Mg^{2+} ion
- Na^{1+} ion
- Al^{3+} ion

Which of the following is an example of a chemical change?

- Grinding of pepper
- Melting of ice
- Digesting of an egg
- Freezing of water



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The ion which has 35 protons and 36 electrons is

Br⁺

Kr⁺

Kr⁻

Br⁻



8/10/11



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