

Solid State Physics MCQs

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Solid State Physics MCQs

 Iron has a Body-Centered Cubi 	c (BCC) structure wit	th atomic radius 0).123 Å. Find
the lattice constant.			

- A) 0
- B) 4.587 Å
- C) 2.314 Å
- D) 0.2840 Å

П	Answer -	Click	Here:
	HIIDMEI	CIICK	nere.

D

- 2. The interplanar spacing of (220) planes of a Face-centered cubic (FCC) structure is 1.7458 Å. Calculate the lattice constant.
- A) 4.983 Å
- B) 2.458 Å
- C) 0
- D) 5.125 Å

☐ Answer - Click Here:

Α

- What is the lattice constant for FCC crystal having atomic radius 1.476 Å
- A) 1.476 Å
- B) 4.1748 Å
- C) 5.216 Å
- D) 0

■ Answer - Click Here:

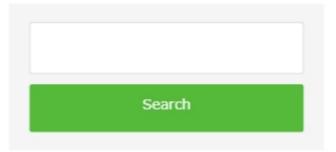
Α

- 4. What is the possible number of different types of lattices (3D)?
- A) 4
- B) 8
- C) 14
- D) 17
- ☐ Answer Click Here:

C

- 5. Why are the glasses of building milky?
- A) it changes in properties
- B) it becomes old
- C) it is brittle
- D) of unwanted deposits
- ☐ Answer Click Here:

Α



MCQS PHYSICS

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- States of physics MCQs **Questions Answers**
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- MCQs Newton Laws of motion -Solved questions answers
- Momentum MCQs Physics

6.	Which of the following is a crystalline solid?
A)	Isotropic substances
B)	Anisotropic substances
C)	Supercooled liquids
D)	Amorphous solids
	Answer - Click Here:
	В
7	Which of the following covalent compounds conduct electricity?
	Which of the following covalent compounds conduct electricity?
_	Silica Hydrogen chloride
	Diamond
	Graphite
U)	Graphice
П	Answer - Click Here:
_	Allower Circk Here.
	D
	When do ionic compounds conduct electricity?
A)	When dissolved in water
-	In solid state
C)	In gaseous state
D)	They never conduct
	Answer - Click Here:
	A
9.	Which one of the following is the property of an ionic compound?
	High melting and boiling points
	Low melting and boiling points
	Weak inter-atomic forces
-	Non conductors of electricity
,	The conductors of electricity
П	Answer - Click Here:
_	
	A
	. What will happen to the elastic property of Gold when Potassium is added to gold?
_	The elastic property of gold decreases
	The elastic property of gold remains unaltered
	The elastic property of gold increases
D)	Gold loses its elastic property
	Answer - Click Here:
	6
11	. What is the effect of annealing(to remove hardness) on elasticity of materials?
A)	Increases the elasticity
B)	Decreases the elasticity
C)	Has no effect on elasticity
	Distorts the material
	Answer - Click Here:
	В
12	When too many poople stand on a bridge it collapses, why?
12	. When too many people stand on a bridge it collapses, why?

Solved

A) Due to increase in stress

C) Due to ov D) Due to fri	proper construction
☐ Answer - 0	Click Here:
Α	
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