



QUIZ 1 Dental Material

Model 1

- 1)The breaking of marginal seal between the restorative material and margins of the teeth is due to difference in thermal expansion coefficient
- 2)we can't see objects through opaque materials
- 3)Color parameter which represents the brightness or darkness of the color is value
- 4)Thermal conductivity is inversely proportional to specific heat and density
- 5)The high thermal conductivity of the Amalgum is disadvantage while the high thermal conductivity of the metallic denture base is advantage both statements are correct
- 6)The polymers are molecular solids in which their primary covalent bonds affect their mechanical properties....
- 7)The higher the thermal expansion is the higher the melting point is False

8)The ability of some human teeth to absorb the light certain wavelength and emit light with different wavelength is **fluorescence**

9)Water sorption represents **the amount of water adhered on the surface and penetrate into the body**

10)The heat in calories or joules required converting 1 gram of a material from solid state to the liquid state is **heat fusion**

11)Covalent bond is **directional**

12)Metallic solids are **lustrous**

13)The displacive transition accompanied by **expansion**

14)The ordered arrangement of atoms in the three dimensions is **crystal**

Model 2

1-.....examples of ionic bonded material?

Ceramic or glass

2-Dissolution of material which become detached by mild abrasion?

Erosion

3-liquid adheres firmly on the outer surface only?

Adsorption

4-Degree of saturation of the color is

Chroma

5-Under some light some colors are matched but under other light other colors do not match?

Metamerism

6-It is the quantity of heat flow through one second in object of 1cm thickness,1cm cross section?

Thermal conductivity

7-Colour matching should be done under one or more source of light one of them should be fluorescence lamp?

The first statement is true and the other is false.

8-It is an advantage to construct an upper denture base of a high density-and a lower denture from a lower denture?

Both statement are false.

9-In the secondary bond it is necessary to have?

Dipole

10-....have the same chemical reactions but different physical properties?

Isomersim

11-The material which have high atomic packing factor have high strength and low density?

False

12-Amorphous are characterized by?

Having random and short range of regularity.

13-Melting and boiling temperatures are correlated with...?

Strength of bond

14-The object can't be seen clearly throughmaterial?

Translucency

15-Ionic bond are highly directional?

False

