

Boiling Heat Transfer Quiz

1. Boiling occurs when
 - a. Temperature reaches boiling temperature
 - b. There is nucleation sites
 - c. Boiling temperature and nucleation sites available
 - d. Liquid reaches metastable state
2. Which one is not a type of boiling?
 - a. Pool boiling
 - b. Flow boiling
 - c. Saturated boiling
 - d. Condensation boiling
3. At high enough heat flux during boiling,
 - a. The liquid does not touch the heating surface
 - b. The liquid still touches the heating surface
 - c. The liquid temperature drops
 - d. Radiation effects can be ignored
4. To analyze boiling heat transfer,
 - a. Theoretical formulas are useful
 - b. Empirical correlations are useful
 - c. Theoretical formulas are inaccurate
 - d. Empirical correlations are accurate

Answers

1. c
2. d
3. a
4. b