

## **Chapter 01: Basic Dental Instruments**

### **Boyd: Dental Instruments, 6th Edition**

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#### **MULTIPLE CHOICE**

1. What is the purpose of the mouth mirror?
  - a. Provide indirect vision.
  - b. Reflect light into the mouth.
  - c. Retract the lips, cheeks, and tongue.
  - d. A and C
  - e. All of the above

ANS: E

The purpose of the mouth mirror is to provide indirect vision, light reflection, and retraction.

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2. What is the purpose of the explorer?
  - a. Retract the lips, cheeks, and tongue.
  - b. Transfer material from the oral cavity.
  - c. Examine teeth for decay, calculus, or other abnormalities.
  - d. All of the above

ANS: C

The thin, sharp, flexible tip is ideal to check the teeth for dental caries and to detect calculus and furcations but would prove injurious to the patient if used for retraction. The tip of the working end is too small to be used as a transfer instrument.

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3. The main function of this instrument is to grasp and/or transfer material into and out of the oral cavity.
  - a. Curette
  - b. Mouth mirror
  - c. Periodontal probe
  - d. Cotton forceps (pliers)

ANS: D

The main function of cotton forceps is to grasp and transfer. The probe, mouth mirror, and curette do not have features for grasping.

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4. Which of the following instruments is part of a basic setup for most dental procedures?
  - a. Curette
  - b. Spoon excavator
  - c. Periodontal probe
  - d. Cotton forceps (pliers)

ANS: D

The cotton forceps is a useful instrument for most all procedures. The curette and periodontal probe are instruments used in a prophylaxis or periodontal examination. A spoon excavator is used to remove dental caries and is part of a restorative procedure.

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5. Which type of mouth mirror reflects magnifies the image?
- Double-sided mirror
  - Front surface mirror
  - Concave mirror
  - All of the above

ANS: B

The front surface mirror produces the most accurate image. A double-sided mirror may have a front surface feature, or it may not. A concave mirror magnifies the image and does not provide an accurate representation.

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6. Why is using a variety of instrument handle diameters beneficial to the dental professional?
- Helps in lightening the instrument grasp.
  - Maximizes control of the instrument.
  - Lessens the stress associated with carpal tunnel syndrome.
  - Minimizes fatigue when using the instrument.

ANS: C

It has been proven that changing the energy needed to grasp an instrument, which causes muscle fatigue and stress, can lessen the stress associated with carpal tunnel syndrome.

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7. Which type of mouth mirror is used in disposable mirrors?
- Double-sided mirror
  - Front surface mirror
  - Flat surface mirror
  - Concave mirror

ANS: C

The flat surface mirror is used in disposable mirrors.

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8. Which statement is correct about cotton forceps?
- Comes in one size
  - Has plain or serrated tips
  - Has pointed or rounded tips
  - B and C only
  - All of the above

ANS: D

Characteristics of cotton forceps include, plain or serrated tips, pointed or rounded tips and thin or thick tips. They can be locking or non-locking and there are a range of sizes to choose from.

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9. Which instrument would NOT be found on a basic tray set-up?
- a. Mouth mirror
  - b. Sickle scaler
  - c. Explorer
  - d. All of the above are found on the basic tray.

ANS: B

A sickle scaler would not be found on a basic tray set-up. A basic tray would include a mouth mirror, explorer and cotton forceps.

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