GCS Grade 7 Science Unit C CFA Microscope Parts

1. This part of the microscope that holds the objectives and rotates to change the magnification.
   a. stage
   b. revolving nosepiece
   c. course adjustment knob
   d. base

2. These are found on the revolving nosepiece and range from 4x to 100x.
   a. eyepiece
   b. diaphragm
   c. objective
   d. stage

3. These are used to hold the slide in place.
   a. arm
   b. stage clips
   c. objective
   d. base

4. Part of the microscope that supports the slide.
   a. coverslip
   b. stageclip
   c. stage
   d. objectives

5. A microscope should be carried mostly by is
   a. base
   b. arm
   c. eyepiece
   d. revolving nosepiece

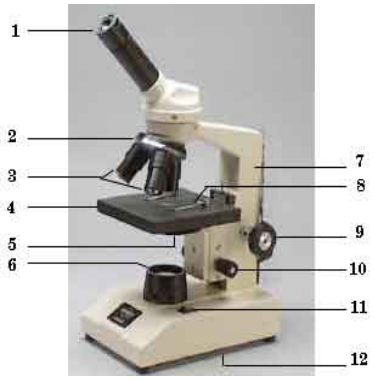
6. Brings the microscope into rapid, but not detailed focus
   a. coarse wheel adjustment
   b. fine wheel adjustment
   c. focus wheel
   d. eyepiece

7. Sharpens the focus of your objective
   a. coarse wheel adjustment
   b. fine wheel adjustment
   c. focus wheel
   d. eyepiece

8. When viewing a slide under a microscope you should start by using the
   a. lowest objective
   b. highest objective
   c. whichever you want
   d. no objective

9. To calculate total magnification one should _____ the ocular lens and objective lens.
   a. multiply
   b. add
   c. subtract
   d. divide

Use this diagram to answer the following questions



10. The eyepiece or ocular lens is number
    a. 1
    b. 2
    c. 6
    d. 10

11. The lightsource is number
    a. 1
    b. 6
    c. 4
    d. 9

12. You should carry a microscope using
    a. 4 and 12
    b. 1 and 12
    c. 7 and 12
    d. 7 and 1

13. The coarse adjustment knob is number
    a. 12
    b. 11
    c. 10
    d. 9

14. The diaphragm is number
    a. 3
    b. 4
    c. 5
    d. 6

15. A microscope has a 4x ocular lens and a 10x objective, what is the total magnification?

a. 4x
b. 14x
c. 40x
d. 400x