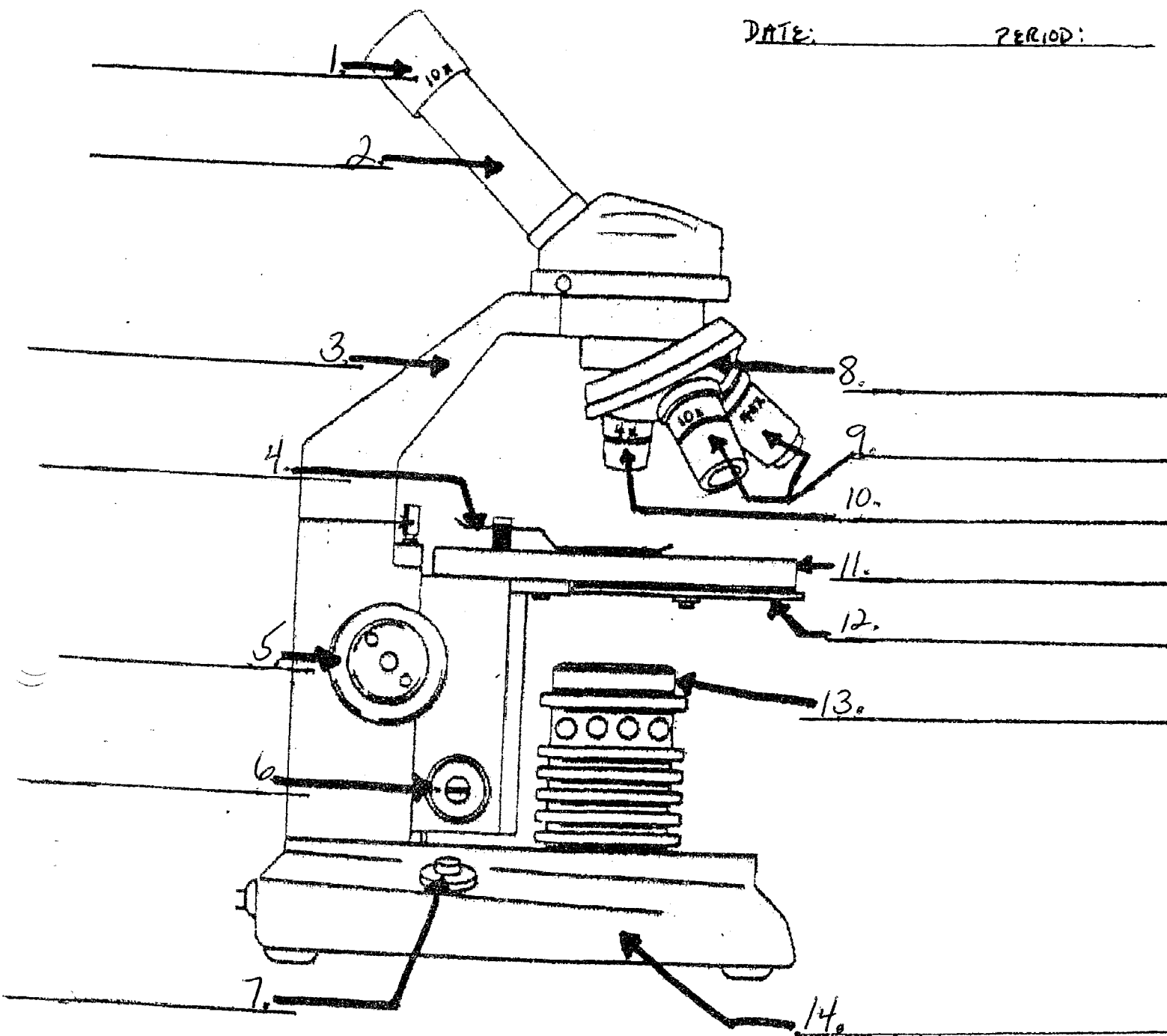


Standard Microscope

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_ PERIOD: \_\_\_\_\_



Directions: Use page 859 and the word bank below to label the parts.

light source  
 stage  
 arm  
 body tube  
 coarse adjustment

revolving nosepiece  
 eyepiece  
 low power objective  
 base  
 fine adjustment

diaphragm  
 stage clips  
 high power objective  
 on/off (light source)

### Basic Safety Rules

1. Always carry the microscope with two hands - one on the arm and one underneath the base of the microscope. Hold it up so that it does not hit tables or chairs. Never swing the microscope.
2. Do not touch the lenses. If they are dirty, please raise your hand and ask for the special lens paper to clean the lenses.
3. Be cautious when handling glass slides and cover-slips. Please do not handle broken glass - notify teacher.
4. Use the coarse adjustment knob **ONLY** when looking through the lowest power objective lens. Use the fine adjustment knob when a high power objective lens is in place. **NEVER, EVER USE THE COARSE ADJUSTMENT KNOB WHEN A HIGH POWER OBJECTIVE LENS IS IN PLACE.**
5. Always clean slides and microscope when finished. Store microscope set on the lowest objective with the nosepiece turned down to its lowest position (using the coarse adjustment knob). If using a lighted microscope, turn off light before pulling out plug.
6. Cover microscope with dust cover and return microscope to storage if so requested.

### Using a Microscope

**Directions:** Place a number on the line to indicate the order of the steps.

- \_\_\_\_\_ Look through the eyepiece. Turn the diaphragm to adjust the light.
- \_\_\_\_\_ Carry the microscope with two hands. Place on a flat surface with arm towards you. Check that the revolving nosepiece is turned to the lowest power objective.
- \_\_\_\_\_ Use the fine adjustment knob to focus the image.
- \_\_\_\_\_ Turn the revolving nosepiece to a high power objective.
- \_\_\_\_\_ Place a slide on the stage. Secure the slide with the stage clips.
- \_\_\_\_\_ Turn the revolving nose piece back to the lowest power objective.
- \_\_\_\_\_ Use the coarse adjustment knob to focus the image.
- \_\_\_\_\_ Remove the slide. Clean slide and microscope. Turn off light. Cover microscope with dust cover. Store microscope.