

**Prep Check 9.**

Name: \_\_\_\_\_

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1. Match up the following

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|----------------------------|-----|--|
| a. Sludge age              | ___ | Liquid (hydraulic) detention time of tank          |
| b. Recirculation ratio (R) | ___ | Indicator of how well a sludge settles             |
| c. SVI                     | ___ | Biomass increase per substrate utilized            |
| d. HRT ( $\theta$ )        | ___ | Average residence time of cells in system          |
| e. Growth yield (Y)        | ___ | Fraction of flow carrying activated sludge to tank |