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Date: $\qquad$ Period:

Inequalities Study Guide


| 3. Graphing and Naming Compound Inequalities | - And: shade between boundary points <br> - Or: shade outside boundary points | a. <br> b. <br> c. <br> d. Graph $-2<x \leq 3$ <br> e. Graph $x<0$ OR $x \geq 3$ |  |
| :---: | :---: | :---: | :---: |
| 4. Creating Compound Inequalities | - Look for key words that indicate if values are included | a. An iguana needs an environment between 70 degrees and 95 degrees. Write a compound inequality. | b. Water is not a liquid when it is less than 0 degrees Celsius or above 100 degrees Celsius. Write a compound inequality. |
| 5. Solving Compound Inequalities | $\bullet$ | a. Solve and graph: $4 x<20 \text { OR } x+3>10$ | b. Solve and graph: $5<3 x-10 \leq 17$ |

