Biology 1 Name:

***Osmosis Worksheet 2***  Date:

Hour:

Fill in the chart to the right of each picture. Check only the boxes that apply.

|  |  |  |  |
| --- | --- | --- | --- |
| Background:  Membrane is SEMIPERMEABLE  (only solvent can pass) | | | |
|  | Moves In (Net) | Moves Out (Net) | No Movement |
| Solvent |  |  |  |
| Solute |  |  |  |
|  | Hypotonic | Hypertonic | Isotonic |
| Intracellular |  |  |  |
| Extracellular |  |  |  |

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|  |  |  |  |
| --- | --- | --- | --- |
| Background:  Membrane is SEMIPERMEABLE  (only solvent can pass) | | | |
|  | Moves In (Net) | Moves Out (Net) | No (Net) Movement |
| Solvent |  |  |  |
| Solute |  |  |  |
|  | Hypotonic | Hypertonic | Isotonic |
| Intracellular |  |  |  |
| Extracellular |  |  |  |

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|  |  |  |  |
| --- | --- | --- | --- |
| Background:  Membrane is PERMEABLE  (solvent & solute can pass) | | | |
|  | Moves In (Net) | Moves Out (Net) | No (Net) Movement |
| Solvent |  |  |  |
| Solute |  |  |  |

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2

Biology 1 Name:

***Osmosis Worksheet 2***  Date:

Hour:

Fill in the chart to the right of each picture. Check only the boxes that apply.

|  |  |  |  |
| --- | --- | --- | --- |
| Background:  Membrane is SEMIPERMEABLE  (only solvent can pass) | | | |
|  | Moves In (Net) | Moves Out (Net) | No Movement |
| Solvent |  |  |  |
| Solute |  |  |  |
|  | Hypotonic | Hypertonic | Isotonic |
| Intracellular |  |  |  |
| Extracellular |  |  |  |

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|  |  |  |  |
| --- | --- | --- | --- |
| Background:  Membrane is SEMIPERMEABLE  (only solvent can pass) | | | |
|  | Moves In (Net) | Moves Out (Net) | No (Net) Movement |
| Solvent |  |  |  |
| Solute |  |  |  |
|  | Hypotonic | Hypertonic | Isotonic |
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|  |  |  |  |
| --- | --- | --- | --- |
| Background:  Membrane is PERMEABLE  (solvent & solute can pass) | | | |
|  | Moves In (Net) | Moves Out (Net) | No (Net) Movement |
| Solvent |  |  |  |
| Solute |  |  |  |

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Biology 1 Name:

***Osmosis Worksheet***  Date:

Hour:

Fill in the chart to the right of each picture. Check only the boxes that apply.

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| Solvent |  |  |  |
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|  |  |  |  |
| --- | --- | --- | --- |
| Background:  Membrane is SEMIPERMEABLE  (only solvent can pass) | | | |
|  | Moves In (Net) | Moves Out (Net) | No (Net) Movement |
| Solvent |  |  |  |
| Solute |  |  |  |
|  | Hypotonic | Hypertonic | Isotonic |
| Intracellular |  |  |  |
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Biology 1 Name:

***Osmosis Worksheet***  Date:

Hour:

Fill in the chart to the right of each picture. Check only the boxes that apply.

|  |  |  |  |
| --- | --- | --- | --- |
| Background:  Membrane is SEMIPERMEABLE  (only solvent can pass) | | | |
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| Intracellular |  |  |  |
| Extracellular |  |  |  |

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|  |  |  |  |
| --- | --- | --- | --- |
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|  |  |  |  |
| --- | --- | --- | --- |
| Background:  Membrane is SEMIPERMEABLE  (only solvent can pass) | | | |
|  | Moves In (Net) | Moves Out (Net) | No (Net) Movement |
| Solvent |  |  |  |
| Solute |  |  |  |
|  | Hypotonic | Hypertonic | Isotonic |
| Intracellular |  |  |  |
| Extracellular |  |  |  |

http://upload.wikimedia.org/wikipedia/commons/thumb/c/c7/Water_molecule_2.svg/500px-Water_molecule_2.svg.png

3

Biology 1 Name:

***Osmosis Worksheet***  Date:

Hour:

Fill in the chart to the right of each picture. Check only the boxes that apply.

|  |  |  |  |
| --- | --- | --- | --- |
| Background:  Membrane is SEMIPERMEABLE  (only solvent can pass) | | | |
|  | Moves In (Net) | Moves Out (Net) | No Movement |
| Solvent |  |  |  |
| Solute |  |  |  |
|  | Hypotonic | Hypertonic | Isotonic |
| Intracellular |  |  |  |
| Extracellular |  |  |  |

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|  |  |  |  |
| --- | --- | --- | --- |
| Background:  Membrane is SEMIPERMEABLE  (only solvent can pass) | | | |
|  | Moves In (Net) | Moves Out (Net) | No (Net) Movement |
| Solvent |  |  |  |
| Solute |  |  |  |
|  | Hypotonic | Hypertonic | Isotonic |
| Intracellular |  |  |  |
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|  |  |  |  |
| --- | --- | --- | --- |
| Background:  Membrane is SEMIPERMEABLE  (only solvent can pass) | | | |
|  | Moves In (Net) | Moves Out (Net) | No (Net) Movement |
| Solvent |  |  |  |
| Solute |  |  |  |
|  | Hypotonic | Hypertonic | Isotonic |
| Intracellular |  |  |  |
| Extracellular |  |  |  |

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2

Biology 1 Name:

***Osmosis Worksheet***  Date:

http://www.dorlingkindersley-uk.co.uk/static/clipart/uk/dk/sci_matter/image_sci_matter044.jpg Hour:

http://upload.wikimedia.org/wikipedia/commons/thumb/c/c7/Water_molecule_2.svg/500px-Water_molecule_2.svg.pngFill in the chart to the right of each picture. Water ( ) is the solvent. The solute looks like this:

Check only the boxes that apply.

|  |  |  |  |
| --- | --- | --- | --- |
| Background:  Membrane is SEMIPERMEABLE  (only solvent can pass)  Extracellular Fluid | | | |
|  | Moves In (Net) | Moves Out (Net) | No Movement |
| Solvent |  |  |  |
| Solute |  |  |  |
|  | Hypotonic | Hypertonic | Isotonic |
| Intracellular |  |  |  |
| Extracellular |  |  |  |

http://upload.wikimedia.org/wikipedia/commons/thumb/c/c7/Water_molecule_2.svg/500px-Water_molecule_2.svg.pnghttp://upload.wikimedia.org/wikipedia/commons/thumb/c/c7/Water_molecule_2.svg/500px-Water_molecule_2.svg.png

Cell Membrane

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Intracellular Fluid

http://upload.wikimedia.org/wikipedia/commons/thumb/c/c7/Water_molecule_2.svg/500px-Water_molecule_2.svg.png

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|  |  |  |  |
| --- | --- | --- | --- |
| Background:  Membrane is SEMIPERMEABLE  (only solvent can pass) | | | |
|  | Moves In (Net) | Moves Out (Net) | No (Net) Movement |
| Solvent |  |  |  |
| Solute |  |  |  |
|  | Hypotonic | Hypertonic | Isotonic |
| Intracellular |  |  |  |
| Extracellular |  |  |  |

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|  |  |  |  |
| --- | --- | --- | --- |
| Background:  Membrane is SEMIPERMEABLE  (only solvent can pass) | | | |
|  | Moves In (Net) | Moves Out (Net) | No (Net) Movement |
| Solvent |  |  |  |
| Solute |  |  |  |
|  | Hypotonic | Hypertonic | Isotonic |
| Intracellular |  |  |  |
| Extracellular |  |  |  |

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