Thank You!!

Thanks for downloading the Egg Science Osmosis assessment sheet. This is meant to accompany the corresponding Naked Eggs and Osmosis (Episode 43) on youtube.com/homeschoolscienceclub.
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Name _____ Date _____

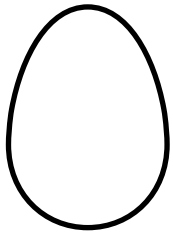
Eggs and Osmosis

1. Osmosis occurs when a molecule travels from a solution with a _____ concentration to a solution with a _____ concentration.
    A. Low/High
    B. High/High
    C. Low/Low
    D. High/Low

2. Osmosis is defined as:
    A. The movement of a particle across an impermeable membrane.
    B. The movement of a particle across a semi-permeable membrane.
    C. The separation of particles across an impermeable membrane.
    D. The separation of particles across a semi-permeable membrane.

3. True or False: A semi-permeable membrane will allow molecules of any size to freely flow through it.

4. If the blue egg below was a “naked egg” as depicted in the video and then placed in water, draw the approximate size of the egg after two days.



5. If the answer to question four was then placed in corn syrup, draw the approximate size of the egg after 2 days.

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Name _____ Date _____

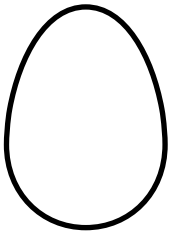
Eggs and Osmosis-Answer Key

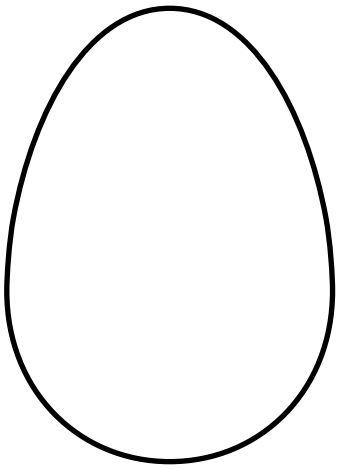
1. Osmosis occurs when a molecule travels from a solution with a _____ concentration to a solution with a _____ concentration.
   A. Low/High
   B. High/High
   C. Low/Low
   D. High/Low

2. Osmosis is defined as:
   A. The movement of a particle across an impermeable membrane.
   B. The movement of a particle across a semi-permeable membrane.
   C. The separation of particles across an impermeable membrane.
   D. The separation of particles across a semi-permeable membrane.

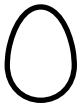
3. True or False: A semi-permeable membrane will allow molecules of any size to freely flow through it.
   A semi-permeable membrane only allows molecules of a certain size to freely flow through it

4. If the egg below was a "naked egg" as depicted in the video and then placed in water, draw the approximate size of the egg after two days.





5. If the answer to question four was then placed in corn syrup, draw the approximate size of the egg after 2 days.



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