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| Explain temperature with particle motion  EHS Cλ3MIs+rγ  Mr. Genest |  | Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Tutors! Adults! Help this young chemist by visiting **http:genest.weebly.com** with any smart phone |

Write a 4 frame storyboard that shows what you would see if you had microscope-eyes that could see invisible small particles and that explains why dye moves differently in cold and hot water. If there is more than one type of substance present, make a key that identifies each substance.

Dye moving in cold water:

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| --- | --- | --- | --- |
|  |  |  |  |

Dye moving in hot water:

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| --- | --- | --- | --- |
|  |  |  |  |

There are questions to answer on the back ….

1. What did the hot water **have** that the cold water didn’t (besides a different color!)?
2. What do you do to water to give it that thing you mentioned in #1?
3. List three ways you could walk up to a substance and detect the presence of that thing you described in #1.