**CHE1031 tutorial: ‘The mole’[[1]](#footnote-1)**

**VIDEO:**

‘The mole’ by Bozeman Science, Paul Andersen

<https://www.youtube.com/watch?v=Pft2CASl0M0>

**Please watch the video and then answer these questions:**

1. Andersen begins with one of his favorite demonstrations. Describe that demo.
2. According to Andersen, the numbers in front of molecules in a balanced chemical equation represent \_\_\_\_\_\_\_\_\_\_\_\_\_?

1. The mole forms a bridge between \_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. Using Avogadro’s number you can convert grams of water to \_\_\_\_\_\_\_\_\_\_\_ of water and grams of pure iron to \_\_\_\_\_\_\_\_\_\_\_\_ of pure iron.   
   *Fill in the missing units.*

1. ‘The mole’ by Bozeman Science, Paul Andersen

   <https://www.youtube.com/watch?v=Pft2CASl0M0> [↑](#footnote-ref-1)