

Astronomy 2021B — Photo Assignment

Photo #1

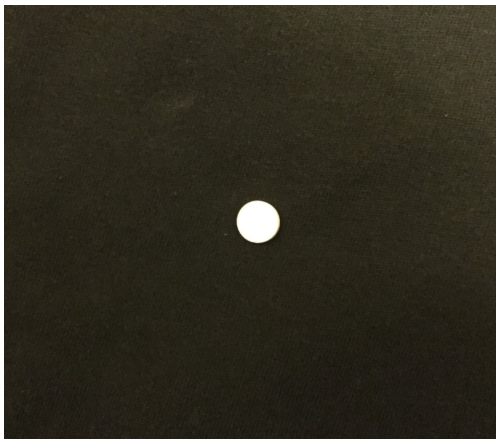


Summary:

The fourth experiment on Mars was the gas chromatograph experiment, which measured abundance of organic molecules in Martian soil. In airports today they use a gas chromatograph to analyze compounds and survey baggage for explosives and drugs.

Date: 27/3/2016

Photo #2



Summary:

This second photograph is of a vitamin B12 pill and I chose to capture this because it is in fact smaller than a centimetre in length (<1). The relevance is 25 million meteors of this size burn up in Earth's atmosphere each day.

Date: 27/3/2016

Photo #3

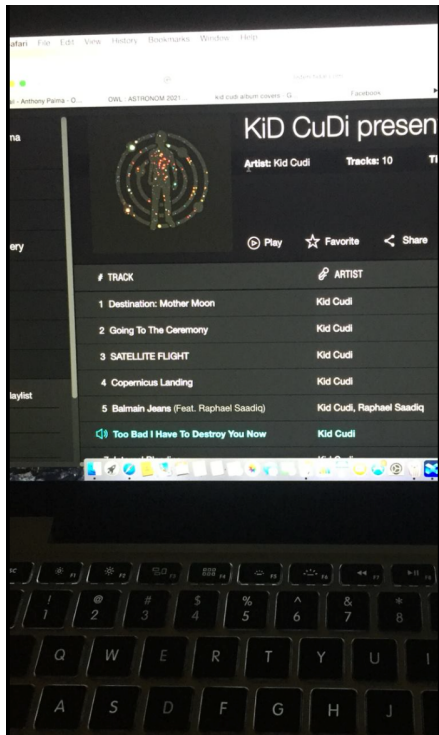


Summary:

The third photograph is of the London skyline. Oxygen is everywhere in this picture and it is one of the four elements that make up 96% of all living organisms. Without this element no aerobic organisms can survive (humans are aerobic organisms).

Date: 29/3/2016

Photo #4



Summary:

The other day while I was listening to my favourite album it suddenly struck me how much the cover of the album reminded me of Astronomy 2021B. If you look at the top left of the image it is clear that it resembles our solar system, which is a topic that has been discussed many times in the course whether it be planets themselves, their moons, or their orbits.

Date: 28/3/2016

Photo #5



Summary:

The last photograph I have chosen to capture is an apple. I was eating this today as a snack and was instantly reminded of Sir Isaac Newton's gravity experiment that consisted of dropping an apple.

With further thought I realized from chapter 8 that Martian gravity is 40% of that on Earth. This is an astounding figure.

Date: 31/3/2016