

24th June quiz activity

By Kevin Y. H. Hui

Q: Which chemical element has the biggest atomic radius?

- a) Oganesson
- b) Francium
- c) Radon
- d) Rutherfordium

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As the largest alkali metal, francium has the largest atomic radius as its nuclei pulls its outermost electron very loosely

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- c) 44%
- d) 68%

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The amount of sugar in lemons is roughly 68 percent. They are sour because they contain a high amount of crystalline citric acid.

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- b) 1 sun
- c) 7 Neptunes
- d) 30 moons

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Neptune has a radius of 24622 km, meaning 7 Neptunes side by side will be 344708 km long, the average distance between earth and moon is 384400 km.

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- b) Speed of bullet from ar15
- c) Speed of sound in stainless steel
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Speed of sound in stainless steel can reach 12900 mph!

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- b) Coca cola is kosher
- c) Peanut butter with 25 insect fragments in it is FDA approved
- d) McFlurry is halal

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McFlurry has not been certified halal, meanwhile, a rule in FDA quotes: “for peanut butter, [...] and 30 (or so) insect fragments are allowed for every 100 grams.”

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- c) 11 times
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Wikipedia: the comet have been observed and recorded by astronomers around the world since at least 240 BC, but it was not until 1705 that the English astronomer Edmond Halley understood that these appearances were reappearances of the same comet. $(1705 - (-240)) / 75.32 = 25.82$!

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- b) Mexico
- c) Nepal
- d) Taiwan

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A reported 19% of Mexico are vegetarian.

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A colony of *Armillaria ostoyae* in Oregon has grown to a size of 10 square kilometers (2384 acres)!