

### Question #40783, Chemistry, Organic Chemistry

#### Question

Which of the following atoms is the least chemically stable

- a) a sodium atom
- b) a magnesium atom
- c) an aluminium atom
- d) a helium atom

#### Answer

**a) A sodium atom** is the least chemically stable, because it is highly reactive at standard temperature and pressure and readily lose its outermost electron to form cations with charge +1. E.g. it easily oxidized by air, react with water etc.