

★ Lecture Notes for 10/14

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Radiation comes from Radon 55%
Cosmic 8% (atmosphere protects)
Terrestrial 8% (natural decay)
Internal 11%
Medical X-rays 11%
Nuclear Medicine 4%
Consumer Products 3%

How much Radiation
Comes from where?

Radon (basements)

Important to be able to understand how we can limit
our exposure to radiation.

THE MOON

Earth / Moon System = SIZE
collision of Earth and Mars Size object -
Earth's gravity pulled it in.

Description of the moon:

- Barren ball of rock orbiting Earth (has no atmosphere or active geology)
- R about $\frac{1}{4}$ R Earth
- M about $\frac{1}{80}$ M Earth

rocks on Moon vs. rocks on the Earth (are similar)

no iron on moon, have silicates, heavy metals

↳ was deep in earth

Reason there is no active geology on the Moon:

1. No Water
2. No Internal Heat