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A. Geothermal flux is about 0.08 W/sq m. [http://en.wikipedia.org/wiki/Earth's_energy_budget].

B. Surface area of the Earth is 510 million square kilometers or 5.1×10^8 km². [<http://www.universetoday.com/25756/surface-area-of-the-earth/>]

C. Take 1 year = 365.25 days (x 24 hrs x 3600 secs).

D/E. For conversion of energy to mass, use $E=mc^2$ (Energy equals mass times speed of light squared). The **speed of light** in vacuum, usually denoted by **c**, is a universal physical constant important in many areas of physics. Its value is 299,792,458 metres per second [http://en.wikipedia.org/wiki/Speed_of_light].