

How do we know that the earth's global, long-term average heat budget is approximately balanced?

- (A) Satellite measurements of longwave infrared radiation emitted by the earth and solar radiation absorbed by the earth are nearly the same.
- (B) The global, annual average temperature of the earth changes only a little bit each year.
- (C) Both of the above.
- (D) None of the above—the earth's heat budget is not very close to being balanced.

How does the global, long-term average temperature of the earth as a whole compare to the global, long term average temperature of the earth's surface?

- (A) They are about the same.
- (B) The planet as a whole is much warmer than the earth's surface.
- (C) The planet as a whole is much colder than the earth's surface.
- (D) Can't generalize—both vary a lot from one year to the next.