

How GREEN Can You Go?

Appliances and Electronics

1. TVs, VCRs, cable boxes and PCs are "vampire" appliances because they continue to devour energy even when they are switched off. Unplug them when not in use or use a power strip to turn them off.
2. Compact fluorescent bulbs can save 75% over incandescent types and last 10 times longer.
3. Upgrading to an Energy Star Certified refrigerator can save \$50 a year.
4. Turn off your computer monitor when you're not using it for twenty minutes. Turn off the CPU if you don't plan to use it for two hours.
5. Wash only full loads and, consider using cold water to save up to \$63 a year.

Automotive

6. Keeping tires properly inflated can improve gas mileage by as much as 3%. Properly tuning your car can increase gas mileage by about 4%.

Building Orientation

7. Locate the garage on the west side of your home and save 6% annually.
8. Orient the building to the south and save 4-7% a year.
9. Save 12% yearly with a porch or ramada on the south side of your home.

Heating and Cooling

10. Save 4% with light colored roof coatings.
11. Save 20-40% with passive solar designed windows and clerestories.
12. Save 8% with cross ventilation on summer nights.
13. Save 23-28% by replacing a 10 SEER heat pump with a 12 SEER model.
14. Save 43% of your annual energy bill by using a swamp cooler during the dry months.
15. Ceiling fans make you feel 5 degrees cooler and use much less energy than an air conditioner or cooler.
16. Solar water heaters can save you 3-5% annually. Pay off the cost in 3-5 years and have free hot water after that.

17. Solar photovoltaic panels provide a clean, renewable energy source. Check with your local electric utility and tax advisor to find out about rebates and incentives.

18. Installing a water heater blanket can save you 4-9% in water heating costs.

19. When buying a wood stove or fireplace insert, make sure it has a U.S. E.P.A. certificate showing its efficiency rating and how many grams of particulates it emits.

Insulation

20. Save 3-4% with R38 insulation instead of R30.

21. Save 6% with R7 night window drapes and shades.

22. Save 7% with R9 insulation at the slab-edge, even in our climate!

23. Weather-stripping and caulking gaps in doors, window and walls reduces energy costs and makes your home more comfortable.

Landscaping

24. Save 10% on your annual energy bill with evergreen trees planted on the north, east and west sides of your home.

25. Save 14% on your annual energy bill with deciduous trees planted on the south side of your home.

26. Native plants require less water, are drought tolerant, and provide food, shelter and nesting sites for native wildlife.

27. Rainwater harvesting cuts your water bill and can produce healthier plants because it's salt-free and nitrogen-rich. It reduces off-site flooding and erosion.

Recycling

28. Recycling aluminum cans saves 95% of the energy required to make new cans. For every four feet of stacked paper recycled, you save one tree.

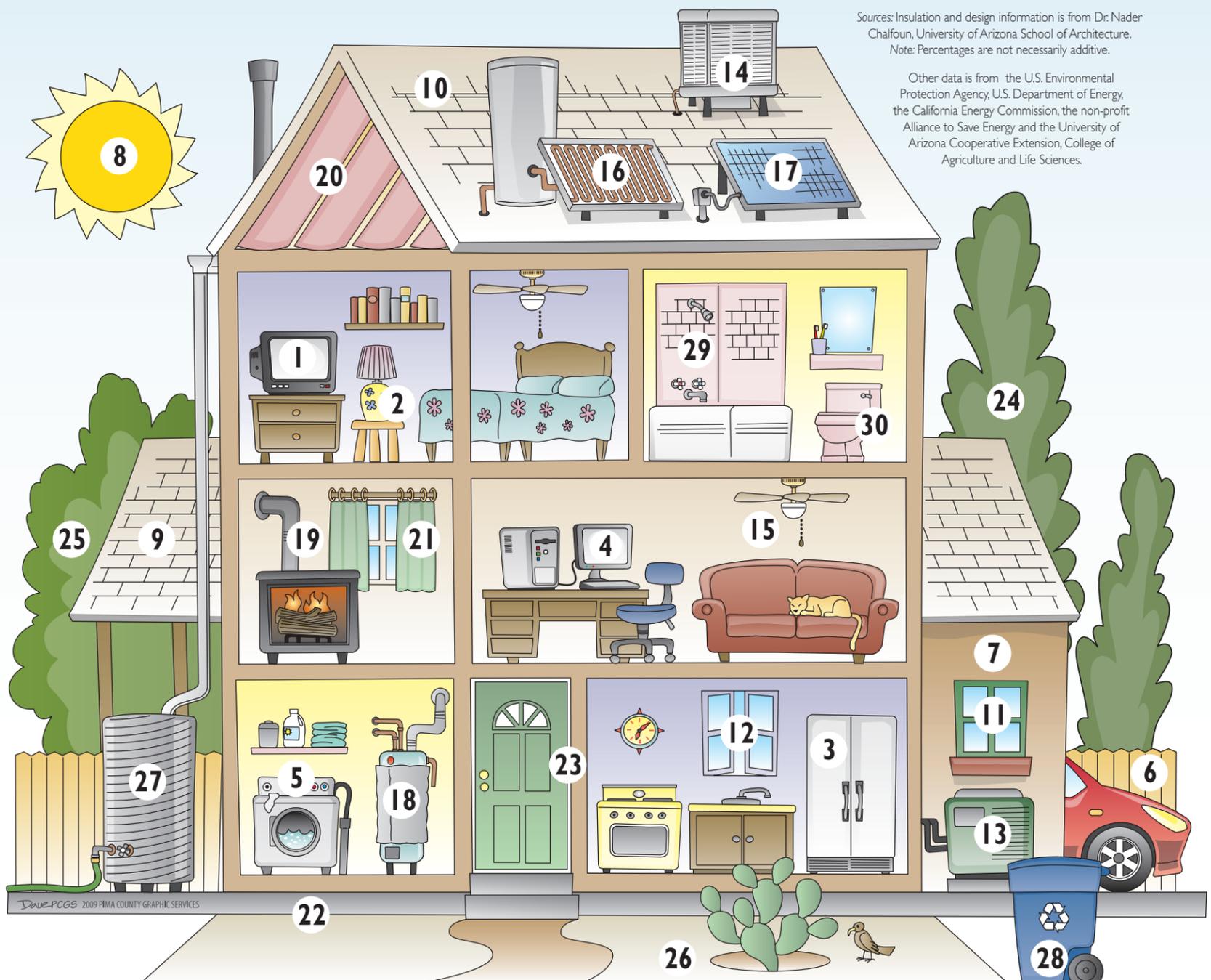
Water Fixtures

29. Installing a low-flow showerhead can cut your water use by half.

30. Fixing a leaky toilet can save 200 gallons of water every day.

Sources: Insulation and design information is from Dr. Nader Chalfoun, University of Arizona School of Architecture.
Note: Percentages are not necessarily additive.

Other data is from the U.S. Environmental Protection Agency, U.S. Department of Energy, the California Energy Commission, the non-profit Alliance to Save Energy and the University of Arizona Cooperative Extension, College of Agriculture and Life Sciences.



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