

Home Checklist – Answers

In a few sentences describe what you found in your house that could be made more energy efficient.

Examples:

- Drafty windows and doors
- Poor insulation (cold walls, not much insulation in ceiling)
- Old appliances
- Non-insulated spaces (such as the furnace room)
- Old single pane windows
- Old furnace (less than 90% efficient) – lets heat escape through chimney
- Drafty fireplace
- Old light bulbs

What form of energy is lost there now?

Could be:

- Heat (poor insulation and drafts)
- Electrical (old appliances, light bulbs, etc.)
- Etc.

How would you go about making it more energy efficient?

For example:

- Caulk gaps
- Replace windows
- Replace appliances or furnace
- Insulate walls or ceiling
- Install energy efficient light bulbs

Make a sketch or drawing to help explain your solution.

Here students can draw what the problem is – for example a window and wall, indicating where drafts leak in. They can then show where they would fill the gaps.

What are the benefits of making this improvement?

One or two sentences basically getting them to point out that this will save energy, and therefore reduce costs, and be better for the environment (less greenhouse gases produced).