

Carbon Monoxide (CO) alarms in single-family homes, townhomes and semi-detached homes

The examples in this guide can help you determine where you need to install Carbon Monoxide (CO) alarms in your home.

Installing alarms

Under the Ontario Fire Code, you need Carbon Monoxide (CO) alarms on all levels, if your home has any of the following

- An attached garage
- Fuel-fired appliances, such as forced air furnaces, water heaters, or fireplaces

Sleeping areas

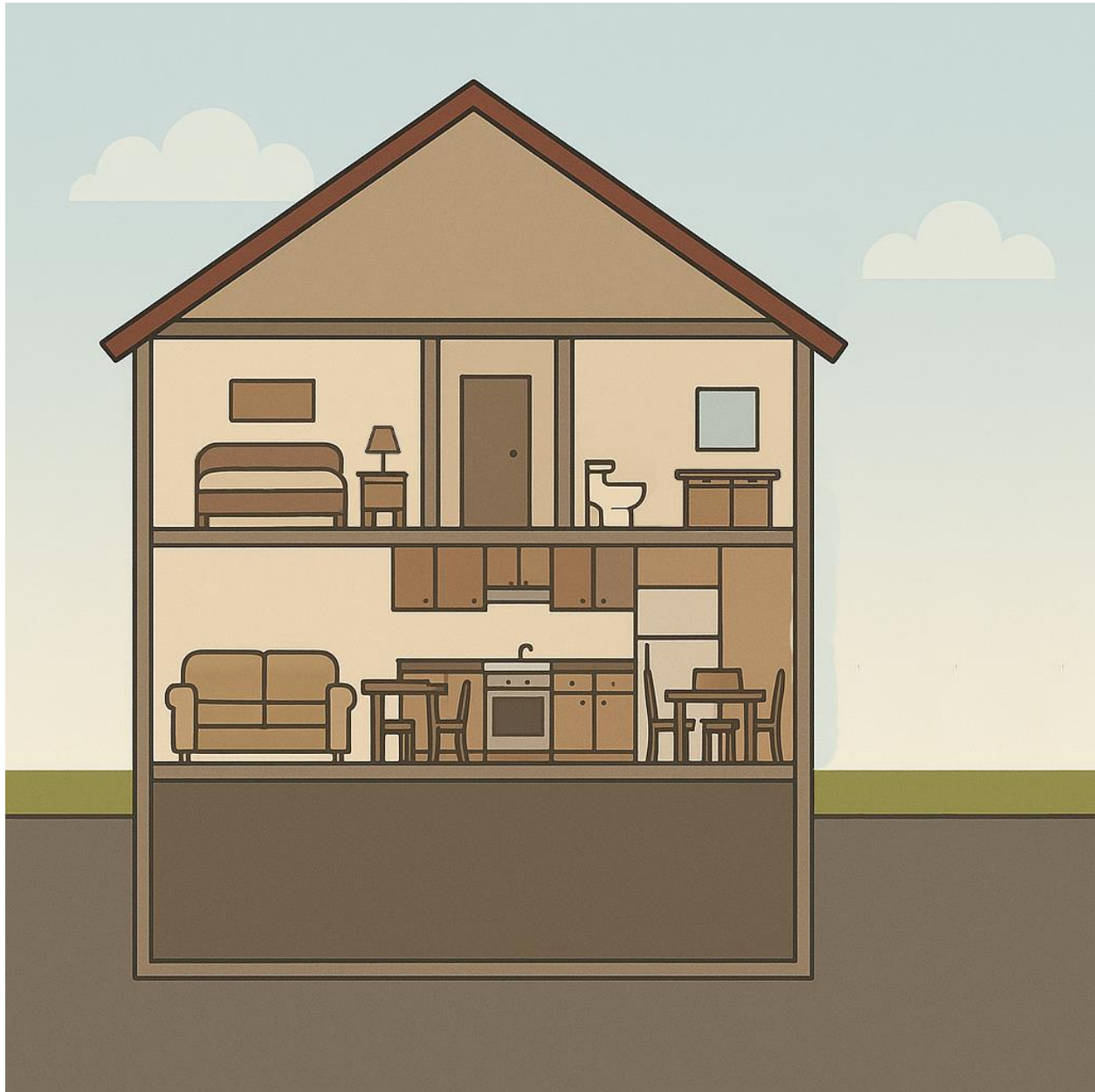
You must install CO alarms immediately outside of sleeping room(s) on all levels, usually in the hallway.

Note:

If you have sleeping rooms on opposite ends of the house that are separated by another room (for example a bungalow with bedrooms on either end of the house with a family room and kitchen in the middle), then you would need to install two Carbon Monoxide alarms on the same level – one outside each sleeping room area.

Example 1: Home with no attached garage or fuel-fired appliances

- No attached garage
- No fuel-fired appliances or fireplaces

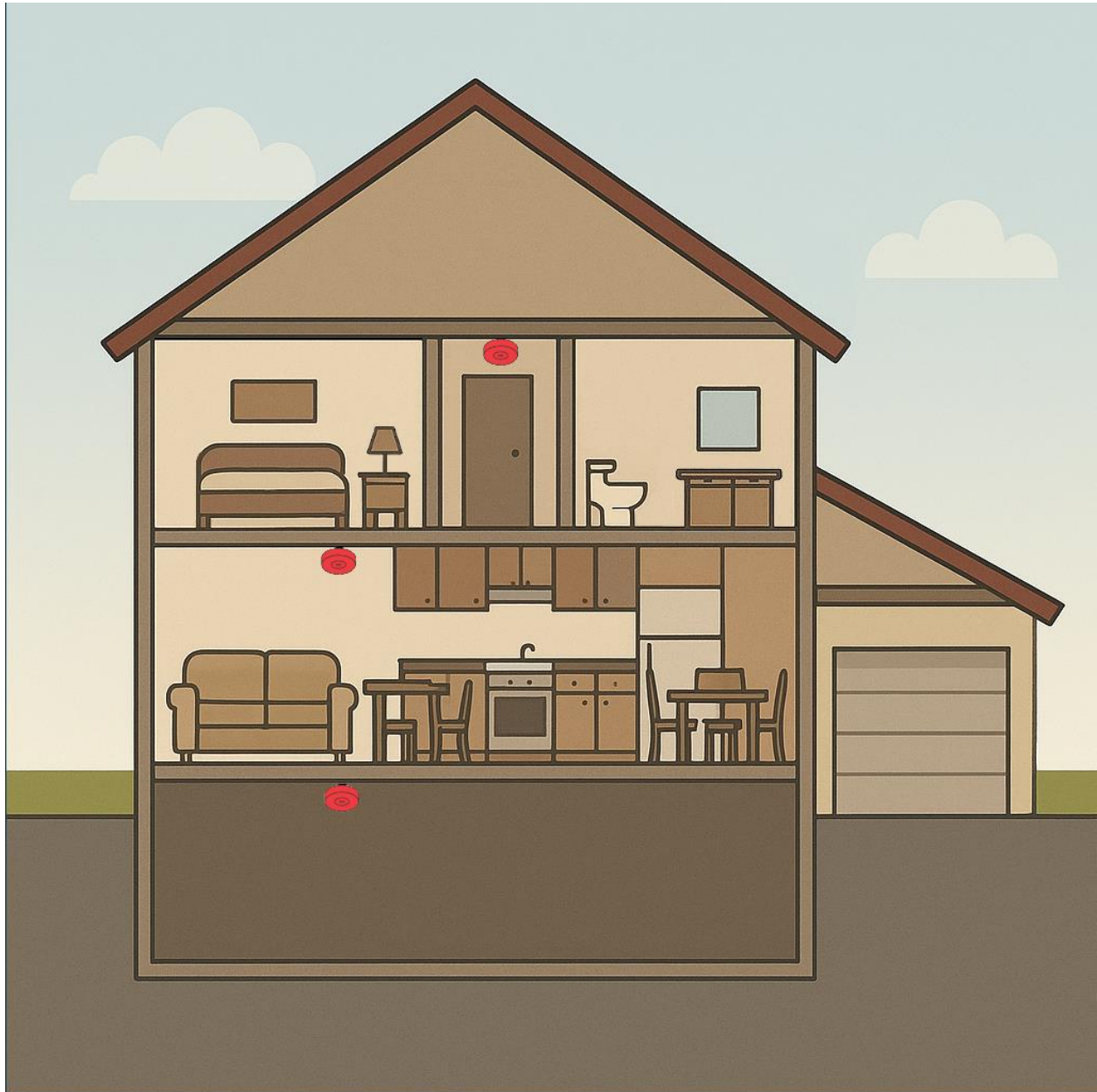


Answer 1:

No carbon monoxide alarms required

Example 2: Home with attached garage

- **Attached garage**
- No fuel-fired appliances or fireplaces



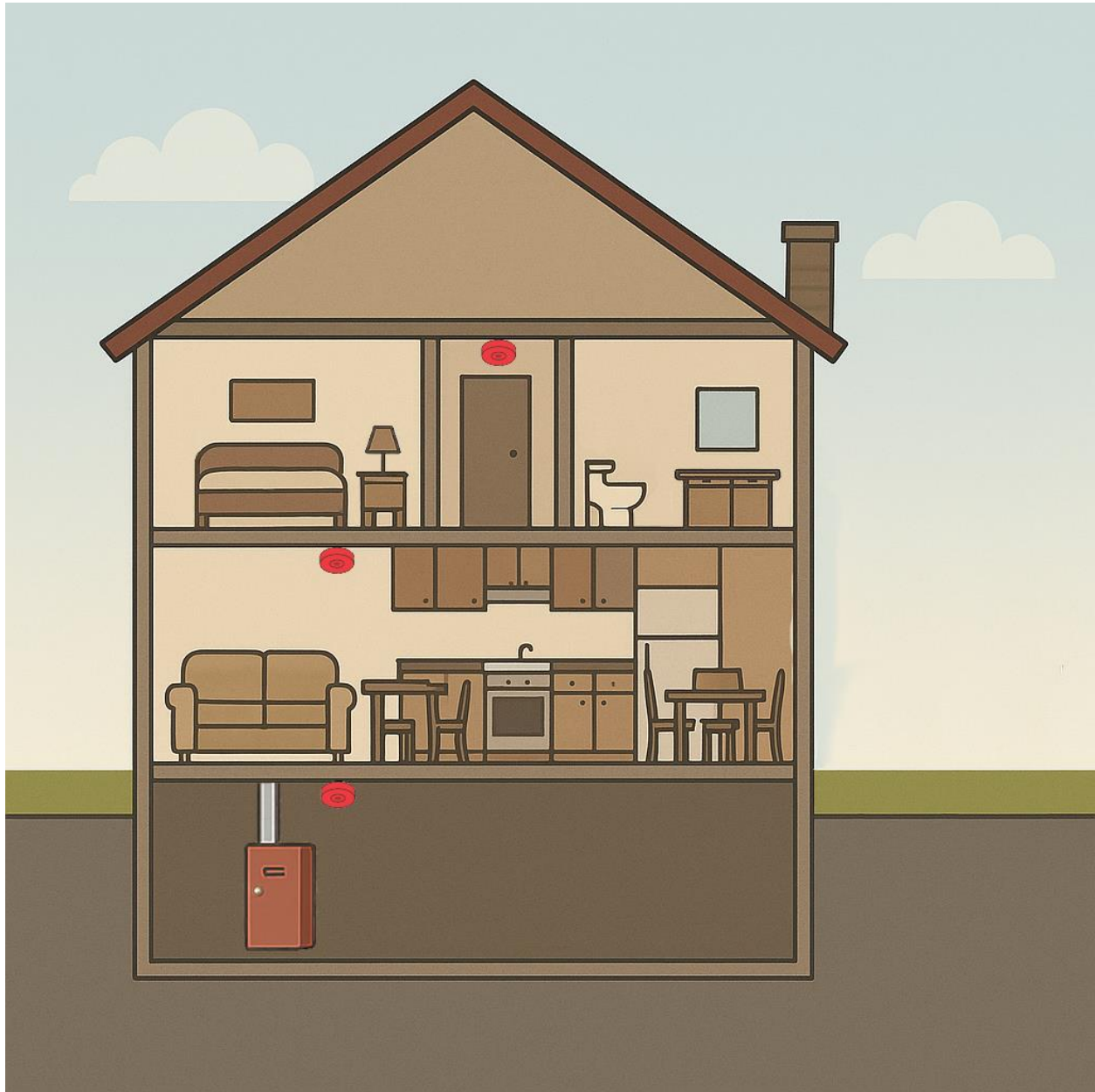
Answer 2:

Carbon Monoxide alarms must be installed:

- On every level of the home
- Immediately outside of any sleeping rooms

Example 3: Home with fuel-fired appliances

- No attached garage
- **Has fuel-fired appliance** (such as gas water heater, gas or wood fireplace, gas furnace, gas water heater)



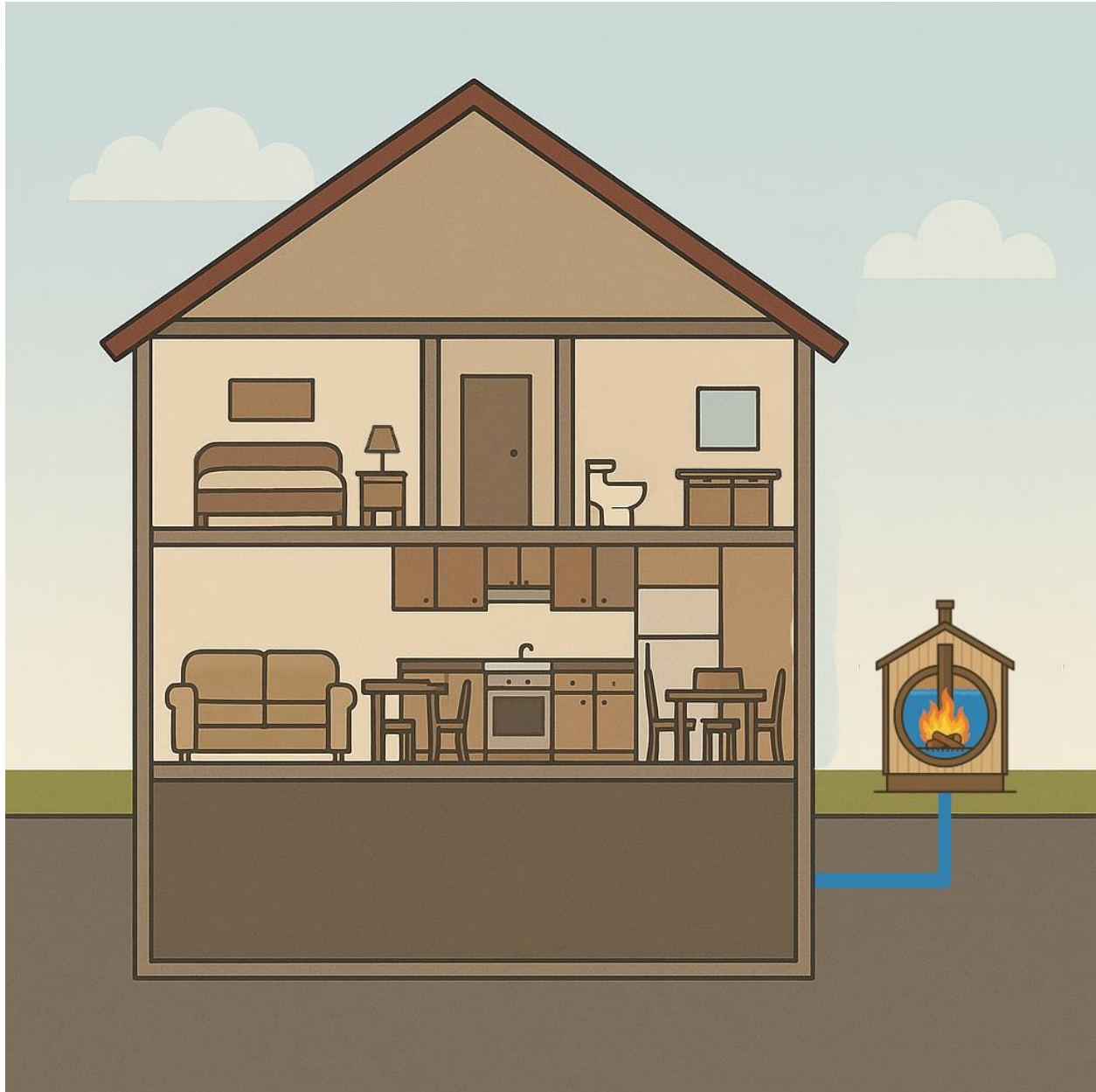
Answer 3:

Carbon Monoxide alarms must be installed:

- On every level of the home
- Immediately outside of the sleeping rooms

Example 4: Home with outdoor fuel-burning boiler

- No attached garage
- No fuel-fired appliances or fireplaces
- **Has outdoor fuel-burning boiler**

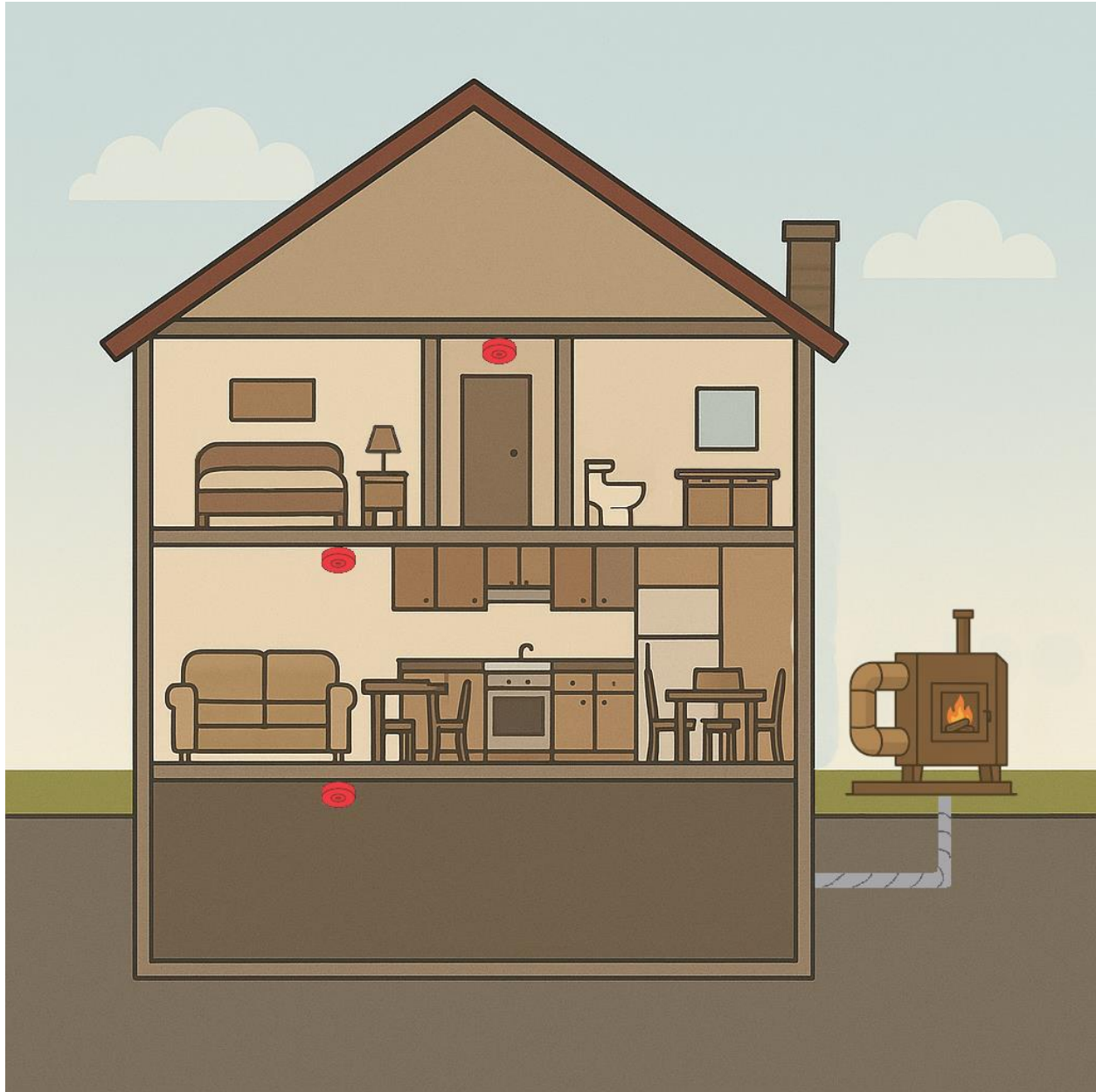


Answer 4:

No Carbon Monoxide alarms required because there is no forced air from the boiler to the building.

Example 5: Home with outdoor fuel-fired forced air furnace

- No attached garage
- No fuel-fired appliances or fireplaces
- **Has outdoor fuel-fired forced air furnace**



Answer 5:

Carbon Monoxide alarms must be installed:

- On every level of the home
- Immediately outside of the sleeping rooms

1. Diagram of home with no attached garage or fuel-fired appliances showing that CO alarms are not required
2. Diagram of a home with an attached garage showing that CO alarms are needed on all levels
3. Diagram of a home with a natural gas furnace in basement showing that CO alarms are required on all levels.
4. Diagram of a house with an outdoor fuel-fired boiler showing that no CO alarms are required because there is no forced air inside the home.
5. Diagram of a home with an outdoor fuel-fired forced air furnace showing that CO alarms must be installed on every level