HEATING

19.1. Vocabulary

Ex. 1. *Match the words to their Russian equivalents.*

1. repair	a. радиатор
2. gas heater	b. печь
3. thermostat	c. газоотвод
4. heating system	d. термостат
5. install	e. парогенератор
6. pump	f. работающий на нефти или мазуте
7. oil fired	g. чинить
8. boiler	h. насос
9. central heat	i. система отопления
10. maintain	j. поддерживать
11. furnace	k. тепло от центральной отопительной системы
12. water heater	l. устанавливать
13. radiator	m. водонагреватель

Ex. 2. *Translate the sentences into English.*

1. Важно ежегодно обслуживать ваш котел, чтобы убедиться в его эффективной работе.

2. Если вы установите новую систему центрального отопления, вы можете заметить снижение ваших счетов за электроэнергию.

3. Моя печь перестала работать в середине зимы, и у меня не было отопления, пока ее не отремонтировали.

4. Нам пришлось заменить наш газовый обогреватель, потому что он был недостаточно эффективен для нашего дома.

5. Система отопления в этом здании управляется термостатом на стене.

6. Установка нового водонагревателя заняла у нас целый день, но теперь у нас снова есть горячая вода!

7. Один из способов сэкономить на отоплении - регулярно обслуживать вашу печь.

8. В нашей старой квартире была система отопления, работающая на мазуте, но в нашей новой - электрическая.

9. Насос в нашей системе отопления сломался, поэтому нам пришлось вызвать мастера по ремонту.

10. Недавно мы заменили все радиаторы в нашем доме на более энергоэффективные.

11. Пришел мастер по ремонту, чтобы починить наш термостат, и теперь в нашем доме снова тепло.

12. У нас быстро закончилась горячая вода из-за маленького водонагревателя, поэтому мы заменили его на больший.

13. Важно нанять профессионала для установки нового радиатора, чтобы избежать любых потенциальных проблем.

19.2. Reading

Ex. 1. *Read the text.*

Heating

Heating in a vehicle

The heating system in a vehicle is called the heater core. It works like a small radiator and is located under the dashboard on the passenger side of the car. Coolant is circulated through the engine, passes through tubes in

the heater core and a fan blows heat from the core into the interior of the vehicle.

There are three basic types of vehicle heaters.

The first type uses the hot engine coolant to warm the air. This is the most common type of heater found in cars today. The second type of heater has a small gasoline boiler that heats the water which then circulates through the heater core. This type of heater is used in some older cars and in some heavy vehicles such as buses and trucks. The third type of heater is an electrical heater. It is used in some smaller vehicles such as golf carts and it is also used as an auxiliary heater in some larger vehicles such as buses. The electric heater is used when the engine is not running or when the engine is not producing enough heat to keep the passengers warm.

In addition to the main heater, many modern vehicles have seat heaters. These are usually installed in the front seats and are controlled by separate buttons or switches on the dashboard. Some luxury models also have heated steering wheels or heated armrests.

Heating in a building

Buildings are usually heated with a central heating system. The system may be powered by electricity, natural gas, propane, fuel oil, wood, solar power or geothermal energy. In large buildings, the heat is often generated by a furnace or a boiler that burns fuel. In smaller buildings, such as houses, the heat is often generated by a furnace that burns natural gas or propane. Some buildings, especially old ones, have fireplaces. A fireplace can provide heat, but it is not very efficient because a lot of the heat goes up the chimney. Some people have space heaters in their houses. A space heater is a small, portable electric heater that can be moved around easily.

Heating in a home

Most homes have a central heating system. The system may be powered by electricity, natural gas or fuel oil. In some cases, the heat is generated by a furnace or a boiler that burns fuel. In other cases, the heat is generated by an electrical heating element. Some homes, especially old ones, have fireplaces. A fireplace can provide heat, but it is not very efficient because a lot of the heat goes up the chimney. Many people also

have space heaters in their homes. A space heater is a small, portable electric heater that can be moved around easily.

Ex. 2. *Answer the questions.*

1. Where is the heater core located in a vehicle?

2. How does the first type of vehicle heater work?

3. What types of vehicles use the second type of heater?

4. When is the electrical heater used in vehicles?

5. Besides the main heater, what other heating feature do many modern vehicles have?

6. What are some common sources of fuel for central heating systems in buildings?

7. Why is a fireplace not very efficient as a heat source in buildings?