Petrol combustion

This task is about complete and incomplete combustion.

Here are two equations describing the burning of petrol.

1. $2C_8H_{18} + 25O_2 \rightarrow 16CO_2 + 18H_2O$ 10808 kJ energy released
2. $2C_8H_{18} + 14O_2 \rightarrow 6C + 10CO + 18\ H_2O$ 7624 kJ energy released

a) Identify each reaction as either **complete** combustion or **incomplete** combustion.

i) Reaction 1 is *complete combustion.| incomplete combustion.*

ii) Reaction 2 is *incomplete combustion.| complete combustion.*

b) Describe **two** disadvantages of incomplete combustion.

1.

2.

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