

SUSMILE Capsule 2.1.3

Answers

Answers:

1. Clean vehicles:

- a) To define *clean vehicle* three concepts are used, and they are applicable in all vehicles categories
- b) The meaning is only different for N1 motor vehicles before and after the 31st December of the year 2025.
- c) **There is not a general definition, because “clean vehicle” definition, is different depending on the vehicle category, and even depending on the year.**

2. Alternative Fuels:

- a) It is the used criteria to define clean vehicles in N1 and N2 vehicles category.
- b) **It means fuels or power sources that serve, at least partly, as a substitute for fossil oil sources.**
- c) Alternative fuels can be fossil fuels like gas and oil.

3. Zero emission vehicles:

- a) Zero emission vehicles are those vehicles that have maximum 50 tail-pipe emission expressed in CO₂ g/km and real driving pollutant emissions below 80%.
- b) **Zero emission vehicles are a subcategory of Clean Vehicles.**

4. Battery electric vehicle (BEV):

- a) Means an electric vehicle constituted by a conventional combustion engine combined with an electric propulsion system, which can be recharged from an external electric power source.
- b) Vehicles powered by hydrogen. More efficient than combustion engine vehicles and don't produce tailpipe emissions.
- c) **Also known as all-electric or 100% electric vehicle, means an electric vehicle that exclusively runs on the electric motor, with no secondary source of propulsion.**

5. Environmental badge:

- a) It is a sticker that categorized the different vehicles according to their power.
- b) **It is a sticker placed on the windscreen of a car and entitles drivers to enter larger cities in Europe according to their environmental criteria.**
- c) The Environmental badge is a sticker placed on the windscreen of a car and entitles drivers to enter small cities in Europe according to their environmental criteria.

