

AQA Economics A-level **Microeconomics**

Topic 8: Market Mechanism, Market Failure and Government Intervention in Markets

8.3 Public goods, private goods and quasi-public goods

Notes



- **Public goods** are missing from the free market, but they offer benefits to society. For example, street lights and flood control systems are public goods.
- They are **non-excludable** so by consuming the good, someone else is not prevented from consuming the good as well, and they are **non-rival**, so the benefit other people get from the good does not diminish if more people consume the good.
- The non-excludable nature of public goods gives rise to the **free-rider** problem. Therefore, people who do not pay for the good still receive benefits from it, in the same way people who pay for the good do. This is why public goods are underprovided by the private sector: they do not make a profit from providing the good since consumers do not see a reason to pay for the good, if they still receive the benefit without paying.
- Public goods are also underprovided because it is difficult to measure the value consumers get from public goods, so it is hard to put a price on the good. Consumers will undervalue the benefit, so they can pay less, whilst producers will overvalue, so they can charge more.
- Governments provide public goods, and they have to estimate what the social benefit of the public good is when deciding what output of the good to provide. They are funded using tax revenue, but the quantity provided will be less than the socially optimum quantity.
- **Private goods** are rival and excludable. For example, a chocolate bar can only be consumed by one consumer. Moreover, private property rights can be used to prevent others from consuming the good.
- **Quasi (non-pure) public goods** have characteristics of both public and private goods. They are partially provided by the free market. For example, roads are **semi-excludable**, through tolls and they are **semi-non-rival**, because consumers can benefit from the road whilst other consumers are using it (unless it is rush hour).
- Technological change can be significant. For example, television broadcasting is now excludable with subscriptions available to those willing and able to pay for them.



- **The tragedy of the commons** refers how individuals prioritise personal gain over the well-being of society.
- When resources are held in common, it means that no one owns the resource, but everyone can access it.
- For example, no one owns the air, but everyone can use it. This unlimited use leads to the negative externality of air pollution. This is a market failure that results from common access.

