

## Knowledge Organiser – Slingshot car

<b>Aesthetic</b>	How an object or product looks.
<b>Air resistance</b>	The level of drag on an object as it is forced through the air.
<b>Chassis</b>	The body of a car.
<b>Design</b>	To make, draw or write plans for something.
<b>Design criteria</b>	A set of rules to help designers focus their ideas and test the success of them.
<b>Function</b>	The purpose of an object (for example a chair needs to hold a person when sitting down); or how the product works (for example a torch needs to provide light in a dark space).
<b>Graphics</b>	Images which are designed to explain or advertise something.
<b>Kinetic energy</b>	The energy that causes an object to move.
<b>Mechanism</b>	The parts of an object that move together as part of a machine.
<b>Net</b>	A flat 2D shape, that can become a 3D shape once assembled.
<b>Structure</b>	Something that has been made and put together and can usually stand on its own (eg a building, a bridge, a chair).

### Did you know?



Some of the first toy cars were made in 1901, that's over 100 years ago!

Which vehicle has the least air resistance?



Front view



Bird's-eye view



Side view

