



World Space
Week October 4-10

World Space Week Word-search

“Rocket Revolution”



In 1999, World Space Week was set up by the United Nations as a world-wide celebration of the exploration of space. The British Interplanetary Society is the national co-ordinator for the UK.

Find out more at www.bis-space.com/events/wsw

It runs every year from **October 4** - the anniversary of the launching of Sputnik 1 in 1957 - to **October 10** - the anniversary of the signing of the Outer Space Treaty in 1967.

The theme for World Space Week 2026 is "**Rocket Revolution**", celebrating the history, impact, and future of launch technology. Here is a fun way of joining the celebrations.

The words in the following text that are in **bold** are hidden in the grid on the following page. Once you have found them all, the letters that are left over will spell out a message.

When you have found it, send it to jerry.stone@bis-space.com. Sorry, no prizes. It's just for fun 😊

- o o O O o -

The first major designs for a **rocket** were produced in the 1880s by the **Russian** self-taught scientist **Konstantin Tsiolkovsky**. Early rockets used **solid fuel**, a form of **gunpowder**. It was not until 1926 - 100 **years** ago - that the first rocket with an **engine** using **liquid** fuel and an **oxidiser**, designed by **Robert Goddard**, was **launched**.

In 1957 the first **artificial satellite**, **Sputnik 1**, was sent around the **Earth**, and in 1961, **sixty-five** years ago, **Yuri Gagarin** became the first **person** to make a space **flight**, in **Vostok 1**. Rockets continued to improve with **multiple** stages and the **Saturn V** sent 12 **Apollo astronauts** to land on the **Moon**.

The Space **Transportation System (STS)** launched 134 missions of the Space **Shuttle**. It was used to help build the **International Space Station** - a **science laboratory** for doing **experiments** in **microgravity** - which has been **manned** since the year 2000. It uses large **solar** panels to provide electrical power.

In recent years, the **path** of rocket design has continued to move forward, with the **Falcon 9** and Falcon **Heavy** from **SpaceX**, who are also developing **Starship**. **Blue Origin** have also produced **reusable** rockets and space **craft**, and **Boeing** have their **Starliner**.

Unmanned craft have visited all the planets in the solar system. The **Rosalind Franklin** rover from **ESA** is due to be launched to **Mars** in 2028.

There has also been growth of **commercial** space **activities**, including space **tourism**.

A **total** of nearly 800 **people**, including around 100 **women**, have flown in space, with about 120 **private** citizens. The **longest** continuous space flight is 487 days.

Being **weightless** for long periods affects **travellers' health** so rather than being static it is better to make a structure **spin** to produce **simulated** gravity.

Advanced rocket motors are being developed, like the **VASIMR** engine, powered by **plasma**.

Space exploration **provides** a great **service** to the whole of **humanity**, and supplies a huge number of **benefits** on a daily basis.

The British Interplanetary Society is the world's longest-running space organisation. Founded in 1933, it publishes a Journal and a monthly magazine, "Spaceflight".

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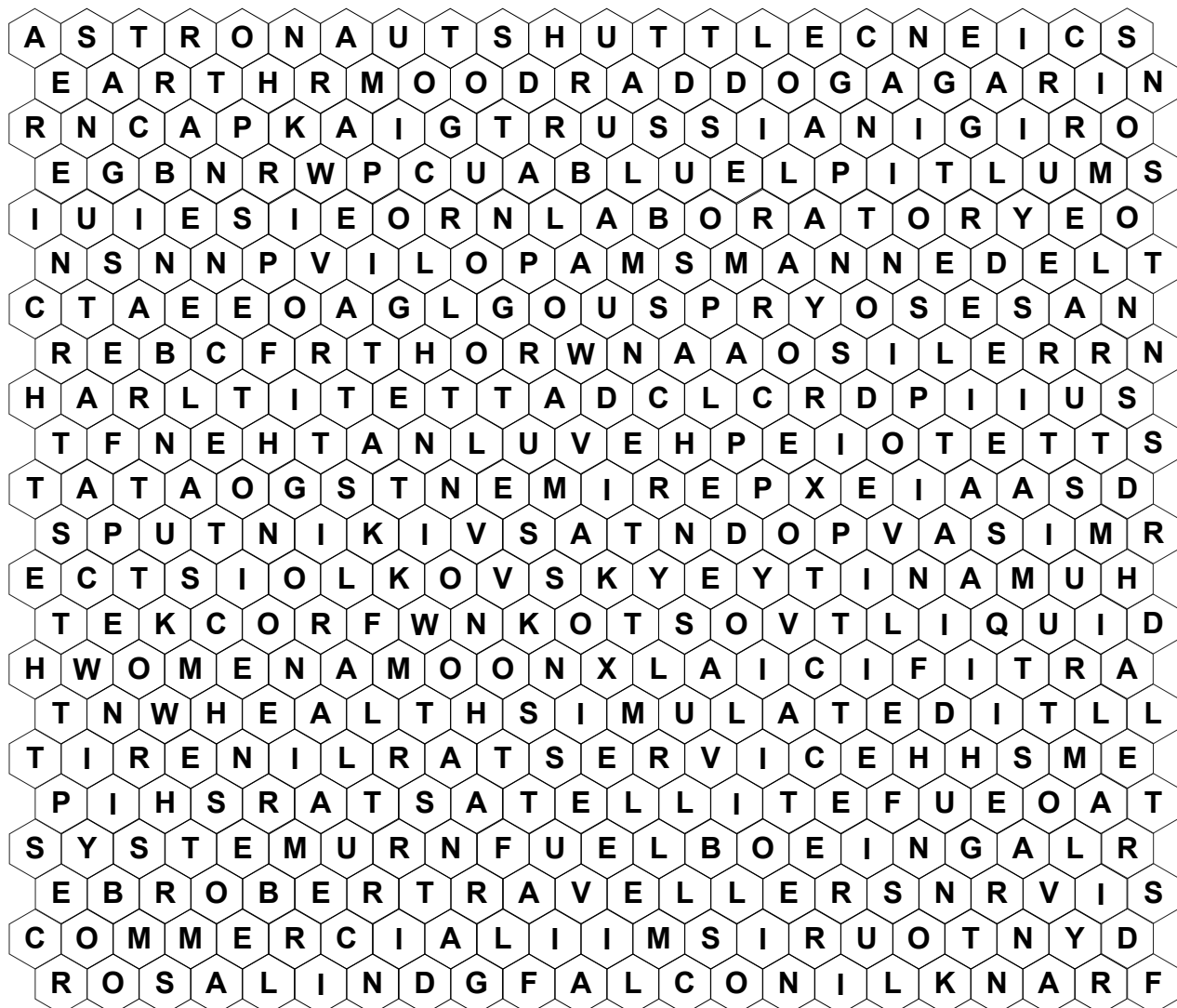
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Here is the full list of words to find, in alphabetical order.

ACTIVITIES	FLIGHT	MANNED	ROSALIND	STARSHIP
APOLLO	FRANKLIN	MARS	RUSSIAN	SYSTEM
ARTIFICIAL	FUEL	MICROGRAVITY	SATELLITE	STS
ASTRONAUTS	GAGARIN	MOON	SATURN	TOTAL
BENEFITS	GODDARD	MULTIPLE	SCIENCE	TOURISM
BLUE	GUNPOWDER	ORIGIN	SERVICE	TRANSPORTATION
BOEING	HEALTH	OXIDISER	SHUTTLE	TRAVELLERS
COMMERCIAL	HEAVY	PATH	SIMULATED	TSIOLKOVSKY
CRAFT	HUMANITY	PEOPLE	SIXTY	VASIMR
EARTH	INTERNATIONAL	PERSON	SOLAR	VOSTOK
ENGINE	KONSTANTIN	PLASMA	SOLID	WEIGHTLESS
ESA	LABORATORY	PRIVATE	SPACE X	WOMEN
EXPERIMENTS	LAUNCHED	REUSABLE	SPIN	YEARS
FALCON	LIQUID	ROBERT	SPUTNIK	YURI
FIVE	LONGEST	ROCKET	STARLINER	



Write the message here, then send it to jerry.stone@bis-space.com