

Word Families

noun	enthusiast	Aviation enthusiasts are very interested in flying.
noun	enthusiasm	Turnbull's enthusiasm for aviation kept him searching for a better propeller design.
adjective	enthusiastic	Turnbull was enthusiastic about aviation.
adverb	enthusiastically	The inventor worked enthusiastically to turn his idea into reality.

noun	inflexibility	The inflexibility of early propellers made planes difficult to fly.
adjective	inflexible	The successful inventor cannot be inflexible.
adverb	inflexibly	An inventor should not work inflexibly.

noun	isolation	Inventors often prefer to work in isolation.
verb	isolate	An inventor may need to isolate herself to do her best work.
adjective	isolated	Turnbull set up his lab in an isolated location.

noun	reliance	His reliance on others' work caused some to question his research.
verb	rely	Early pilots could not rely on their planes to carry heavy loads.
adjective	reliable	The Variable-Pitch propeller made planes more reliable.
adverb	reliably	A plane with a Variable-Pitch propeller flew more reliably than earlier planes.

noun	revolution	The invention of the Variable-Pitch propeller led to a revolution in flight.
verb	revolutionize	New inventions revolutionize the way we do things.
adjective	revolutionary	Turnbull's propeller was a revolutionary invention.

noun	variable	Researchers look at different variables in their studies.
verb	vary	Planes carry different kinds of loads, and the size of the load will vary.
adjective	variable	It might be more difficult to fly if the winds are variable.
adverb	variably	Planes carry variably heavy loads.

Word Family Practice

Choose the correct word family member from the list below to complete each blank.

Like most inventors, Wallace Rupert Turnbull was filled with curiosity about many things. He became 1..... about designing a propeller that would fly more efficiently, during takeoff and landing as well as while cruising. Propellers on early planes were 2....., that is, the angle could not be changed, so they did not fly efficiently under certain conditions. Because of this, pilots could not always 3..... on their planes to perform well. Turnbull worked in an 4..... barn in New Brunswick to develop a new kind of propeller. He could 5..... the angle, or pitch, of this propeller, which made it efficient under different conditions. Turnbull's invention led to a 6..... in flight.

- | | | |
|------------------|---------------|------------------|
| 1. enthusiast | enthusiastic | enthusiastically |
| 2. inflexibility | inflexible | inflexibly |
| 3. rely | reliable | reliably |
| 4. isolation | isolate | isolated |
| 5. vary | variable | variably |
| 6. revolution | revolutionize | revolutionary |