

# Women INVENTORS

Take the challenge!

## MARY ANDERSON

She received a patent for her "window cleaning device" in 1903. Within about a decade, the windshield wiper would become standard equipment on American cars. Hers was operated via a lever inside the vehicle.



1 INVENTOR \_\_\_\_\_

## VIRGINIA APGAR

Baby's first test is named after this physician. Her simple evaluation of a newborn's condition, first published in 1953, checks a new baby's "appearance, pulse, grimace, activity and respiration" at one minute and five minutes after birth.



4 INVENTOR \_\_\_\_\_

## MARIA TELKES

This University of Delaware scientist, known as the "Sun Queen," designed innovative technology for Solar One, UD's experimental solar-powered house. She was posthumously inducted into the National Inventors Hall of Fame in 2012.



6 INVENTOR \_\_\_\_\_

## STEPHANIE KWOLEK

While a chemist at DuPont, this Delaware resident invented Kevlar, the strong-as-steel synthetic fiber used in tires to bullet-proof vests. Police officers and other members of a Kevlar Survivors' Club tell how this novel fiber saved their lives.



8 INVENTOR \_\_\_\_\_

## SARAH GOODE

A former slave, she moved to Chicago after the Civil War to open a furniture store. The cabinet bed she invented looked like a desk when folded up. It was designed to maximize the space in small rooms. She was the first African American woman to receive a U.S. patent. Hers was granted on July 14, 1885.



9 INVENTOR \_\_\_\_\_



2 INVENTOR \_\_\_\_\_



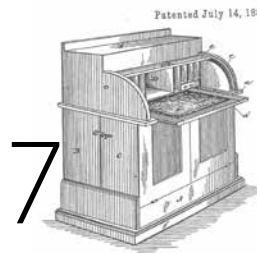
3 INVENTOR \_\_\_\_\_

## Test your knowledge

The first U.S. patent granted to a woman was in 1809 for a new process for making straw hats and bonnets. Since then, women have patented thousands of inventions, from the wringer washer to cancer-fighting drugs. Can you correctly match the inventor to her picture or invention?



5 INVENTOR \_\_\_\_\_



7 INVENTOR \_\_\_\_\_



10 INVENTOR \_\_\_\_\_

## HEDY LAMARR

A Hollywood star, once dubbed "the most beautiful woman in the world," she co-invented "frequency hopping," a technology originally designed to guide torpedoes in WWII and now used in wireless phones, GPS and military communications.

## GERTRUDE BELLE ELION

This Nobel laureate developed drugs for treating leukemia, gout, malaria, meningitis and viral herpes, as well as the first immuno-suppressive drug used for organ transplants. She was the first woman to be inducted into the National Inventors Hall of Fame.

## SARAH BLAKELEY

In 2012, at the age of 41, she became the youngest woman to be named to the Forbes World's Billionaires list. The self-made entrepreneur invented Spanx, a popular line of comfortable, body-conforming undergarments.

## PATSY SHERMAN

The accidental spill of a chemical on a tennis shoe in a lab at 3M Company led to the invention of Scotch-guard® by this inventor and her collaborator. The product repels stains and allows for the removal of oily stains from synthetic fabrics.

## MARY DIXON KIES

In 1809, she received the first U.S. patent awarded to a woman. It was for a process for weaving straw with silk or thread used in hat making. First Lady Dolley Madison praised her for boosting the economy at a time when European goods were embargoed in the U.S.

## ANSWER KEY

- 1 — VIRGINIA APGAR    2 — MARY ANDERSON    3 — SARAH BLAKELEY    4 — HEDY LAMARR    5 — GERTRUDE BELLE ELION    6 — STEPHANIE KWOLEK    7 — SARAH GOODE    8 — MARY DIXON KIES    9 — MARIA TELKES    10 — PATSY SHERMAN