



A *Kids' Films*

Part 1

produce: make

production: the making of

hands-on: learned by doing

Part 2

edit: make changes and correct mistakes

improve: make better

B *Ancient Birch Tar*

Part 1

adhesive: sticky, sticking to

substance: material

arrowhead: the hard, pointed material at the tip of arrows

Part 2

relieve: lessen or remove

reduce: lessen

Part 3

ancient: very old

concluded: decided after looking at information

C *Saving Sea Turtle Eggs*

Part 1

poacher: a person who hunts, fishes, or catches an animal illegally

illegal: against the law

Part 2

GPS tracker: Global Positioning System tracker; a device connected to a radio system that uses satellite signals to tell where it is

Part 3

potential: possibility; chance that it will happen

D *Dams: Benefits and Challenges*

Part 1

constructed: built

flow: (n) movement

transported: led from one place to another

overflow: (v) flow past the edges or top; flood

damage: (v) harm

Part 2

energy: usable power

purpose: reason for doing

lumber: planks and boards of wood used to build things

Part 3

impacts/impacting: (v) effects/effecting something in a powerful way

decrease: become less

nutrient: a substance that plants, animals, and people need to grow and live

unexpectedly: without warning

E *Water Crisis in Flint, Michigan*

Part 1

expense: cost

in the meantime: while waiting for something else to happen

residents: people who live in a certain place

contaminant: something that makes a place or substance (water, food, air) unsafe to use

corroded: slowly broken apart and destroyed

Part 2

disaster: something that happens suddenly and causes suffering or loss for many people

crisis: a difficult, possibly dangerous time that needs serious attention

grant: (v) officially give

Part 3

waste: (n) trash

funds: money



F *Moving Towns Somewhere Else*

Part 1

destroyed: damaged so badly that it can't be fixed

submerged: went completely under water

purchased: bought

timber: trees or wood

lubricated: made smooth or slippery

Part 3

relocation: the process of moving to a new place

referred: liked better

G *Wilma Mankiller: Leader*

Part 1

urban: related to a city

denied: prevented from having; not given

motivated: had a reason for doing

inspired: got an idea about what to do

Part 2

deputy: second in charge

Part 3

traditions: beliefs, information, or ways of doing things that are passed on from one generation to the next

generations: groups of people born and living at the same time; multiple generations of a family include children, parents, grandparents, and great-grandparents

ancestors: family members who lived a long time ago

hardships: times of pain and suffering

benefit: (v) be helped

H *Yo-Yo Ma, Cellist*

Part 1

opera: a play during which actors sing all the words with music from an orchestra

composer a person who writes music

strict: telling people to follow the rules very carefully

demanding: asking for a lot of effort and attention from other people

mastered: (v) learned completely

compositions: written pieces of music, which can sometimes be long or difficult to play

Part 2

impressed: had a strong effect on; thought highly of

rich: interesting and filled with different things

Part 3

classical music: music related to European traditions, including opera and symphonies, that is thought of as more serious than other kinds of music

I *Katherine Johnson, Mathematician*

Part 1

mathematician: a person who is an expert in mathematics (math) and works with numbers

excelled: was better than others

Part 2

calculations: answers found using mathematical operations, including addition, subtraction, multiplication, and division

J *Katherine Johnson, Work at NASA*

Part 1

complex: difficult, hard

double-checked: checked again to be sure

Part 2

critical: very important