Topic 3.4: How does energy transformation affect humans?

•	Energy transformations provide, but not without risk of
•	We take action and create to reduce the harmful impacts of energy transformation.
•	We learn from our mistakes and each other to harmful impacts of energy transformation.
Conce	pt 1: Energy transformations provide, but not without risk of harm.
•	Living things are on energy transformations for life processes.
•	Energy transformations have both and associated with them.
•	Benefits include advances in and generation of
•	Risks include,, and rexposure.
1.	What do you think is the greatest impact, positive or negative, of our application of energy transformations? Justify your response.
	pt 2: We take action and create technology to the harmful impacts of y transformation.
•	Humans are taking initiatives to harmful effects of energy transformations.
•	We are choosing more technologies, reducing our energy,
	and introducing programs.
•	is used to produce hydrogen fuel cells while releasing low amounts
	of emissions.
•	New ways of making are being considered to reduce the amount of
	emissions produced.
•	Technology has been developed to produce electrical energy through

impacts of energy transformation. Concept 3: We learn from our mistakes and each other to harmful impacts of energy transformation. Humans are their mistakes with energy transformations to make sure that they are doing things differently in the future. Humans have learned from various ______ plant accidents. They are implementing new safety inspections and safer so that these accidents do not occur again. • Canada is trying to _____ and s____ nuclear wastes safely. According to law, Canada must consider ways to nuclear waste so that it does not harm or the land. The Nuclear Waste Management Organization (NWMO) collaborates with First Peoples to discuss appropriate ways of handling ____ . 1. Is it possible to reduce harmful effects of energy transformation by learning from past mistakes? Justify your response using examples from this Concept. Topic 3.4 Summary: How does energy ______ affect humans? • Energy transformations provide______, but not without risk of harm. We take action and create to reduce the harmful impacts of energy transformation. We learn from our mistakes and each other to reduce impacts of energy transformation.

1. Describe one way in which people or technology are helping to reduce the harmful