

<p>Title:Iodine Insufficiency is Prevalent in Israel</p> <p>Author:Anonymous Editorial</p> <p>Journal/Site:Hebrew University</p> <p>Year Published:Sep. 20, 2016</p>	<h1>Iodine Insufficiency is Prevalent in Israel</h1>
<p>Step 1. Read the article closely noting ethical, moral and civil issues raised</p>	<p>Completed, April 20, 2017. Also reviewed two papers: Nanostructure materials for water desalination Iodine Insufficiency due to desalination</p>
<p>Step 2 Briefly describe the nanotech science addressed in the article</p>	<p>Decreasing the energy requirements and infrastructure costs of existing desalination technologies remains a challenge. By enabling the manipulation of matter and control of transport at nanometer length scales, the emergence of nanotechnology offers new opportunities to advance water desalination technologies.</p>
<p>Step 3 List the moral, ethical and legal issues.</p>	<p>Safeguarding and allocating scarce water resources Promoting public health and reducing pollution Supporting and improving living conditions of poor societies Improving the economic standard of living via salable technologies Finding cost efficient ways to improve society's standard of living</p>
<p>Step 4 Notate by each issue, the possible ways in which you think the Torah may speak to the issue</p>	<p>Allocation of water resources Improving living conditions for society - need for more iodine Kiddush Hashem - providing for safer living Public Safety - Removing a public health menace - low iodine Corrective legislation</p>
<p>Step 5 Select the Jewish issue(s)/value(s)/law(s) that you will research and present.</p>	<p>Corrective legislation. Talmud demonstrates examples in which a trend was followed that led to detrimental consequences. Subsequent legislation attempted to correct the issue.</p>
<p>Step 6 Create a bibliography of citations that you will reference</p>	<ol style="list-style-type: none"> 1. Darkei Hamishna, Fraenkel, Z. 1859. Twenty five instances in Talmud that start with the word <u>בראשונה</u> or <u>בתחילה</u> indicating an original societal norm or legislation. Do to a change in societal behavior, the legislation was altered or modified. Examples in <u>mourning, divorce, kiddush hachodesh, purity, and tithes among others.</u> 2. Talmud Ta'anit 23b - The old man planting a carob 3. Weiser ML (Malbim) 1809-79. Commentary on Tehillim (Psalm) 18:7. A natural salvation often turns into the next natural threat. G-d affords another natural solution that leads to the next natural calamity. Prayer-Salvation.

<p>Step 7 Prepare and present your narrative connecting the results of your citation research to your listed issues raised above. Present your rationale.</p>	<ol style="list-style-type: none"> 1. There is a need for potable water in many parts of the world. Calamity. 2. Desalination is a solution to the potable water deficiency. Solution. 3. Desalination is expensive and inefficient. Problem. 4. Nano structures may solve efficiency and cost issues in desalination in the future. Solution. 5. Desalination has led to an iodine deficiency. Problem. 6. Methods of supplementing iodine into diets must be undertaken. Solution. 7. Care must be taken to make sure that excess iodine is not ingested. Problem. 8. Jewish values teach. <ol style="list-style-type: none"> a. Society must change with technology and behavior changes. b. Solutions often lead to new problems. This should be foreseen. c. G-d's help needs to be invoked in our quest to foresee and change. d. We need to have vision to the future as the story of Choni indicates.
<p>Step 8 Present your '10 year from now' vision</p>	<ol style="list-style-type: none"> 1. The world in 10 years will be inhabited by healthy people of all ages who have plenty of fresh water to drink. The iodine levels in our bodies will be perfectly balanced for good health. 2. The population sees every challenge as an opportunity for growth. They will understand that growth entails constant challenges, often posed by the very solutions previously instituted. 3. The population will recognize that it is G-d's plan to provide natural solutions that often lead to new challenges. This way, people will continually call upon G-d for guidance and thank G-d for solutions. 4. The population will understand that building the future must include a future that will not present itself until generations later. 5. Educational programs for all ages must be instituted now in the education system to train the current upcoming generation to the aforementioned thinking.