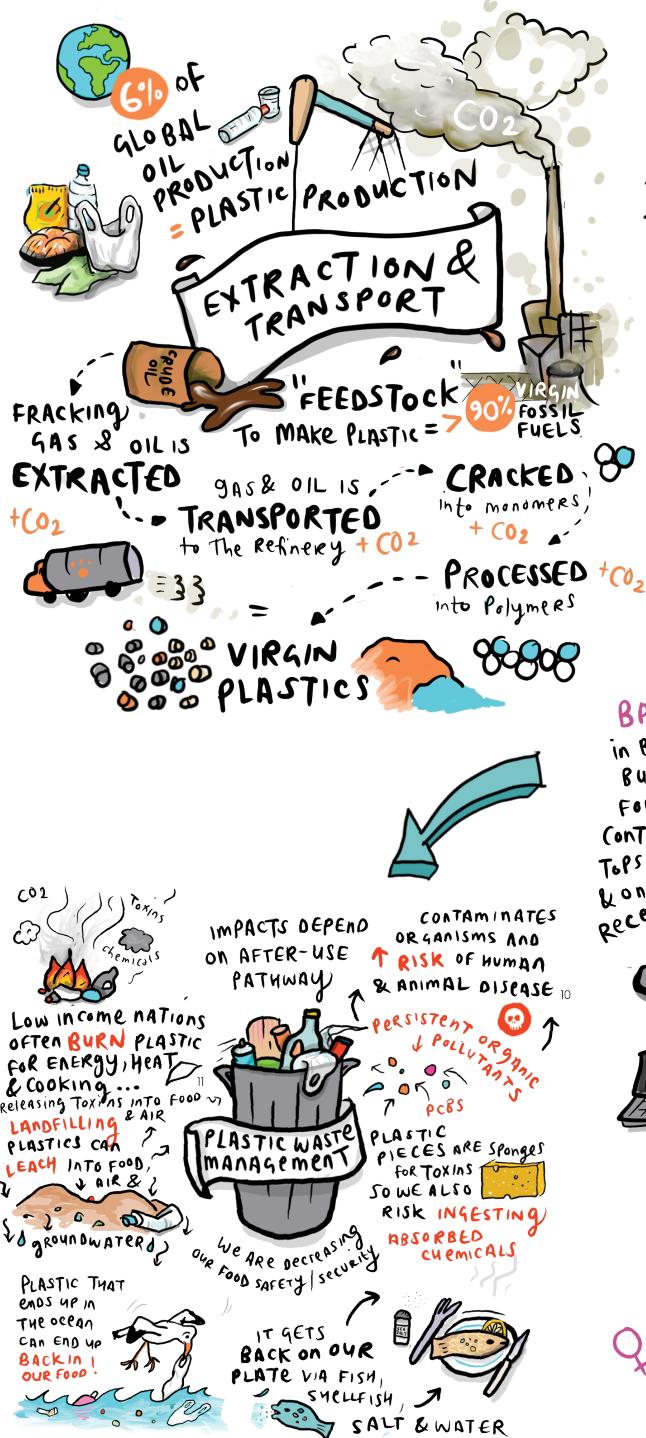


AT EVERY STAGE OF ITS LIFECYCLE, PLASTIC POSES RISKS TO HUMAN HEALTH



POLYMERS ARE MIXED & ADDITIVES ADDED TO IMPROVE PLASTIC CHARACTERISTICS BEFORE PRODUCERS MANUFACTURE ITEMS



CHEMICALS & ADDITIVES in PLASTICS AFFECT US ALL



[1] Carrington, Damian (2016) "People may be breathing in microplastics, health expert warns", 9 May 2016, The Guardian, <https://www.theguardian.com/environment/2016/may/09/people-may-be-breathing-in-microplastics-health-expert-warns>

[2] Rustagi, Neeti; Pradhan, S. K.; and Singh, Ritesh (2011) "Public health impact of plastics: an overview", Indian Journal of Occupational and Environmental Medicine, Vol. 15, Issue 1, <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3299092/>

[3] Harley, K.G. et al (2019) "Association of phthalates, parabens and phenols found in personal care products with pubertal timing in girls and boys", Human Reproduction, Vol. 34, Issue 1, pp.109-117 <https://academic.oup.com/humrep/article/34/1/109/5204432>

[4] Stahlhut, Richard W. et al. (2007) "Concentrations of Urinary Phthalate Metabolites Are Associated with Increased Waist Circumference and Insulin Resistance in Adult U.S. Males", Environmental Health Perspectives, 115 (6) <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1892109/>

[5] Wen, Hui-Ju et al (2017) "Phthalate exposure and reproductive hormones and sex-hormone binding globulin before puberty - Phthalate contaminated foodstuff episode in Taiwan", PLoS One, 12(4) <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5391940/>

[6] Doherty et al (2010) In Utero Exposure to Diethylstilbestrol (DES) or Bisphenol-A (BPA) Increases EZH2 Expression in the Mammary Gland: An Epigenetic Mechanism Linking Endocrine Disruptors to Breast Cancer, Hormones and Cancer, Vol. 1, Issue 3 <https://link.springer.com/article/10.1007/s12672-010-0015-9>

[7] Fernandez, S.V. et al. (2012). 'Expression and DNA methylation changes in human breast epithelial cells after bisphenol A (BPA) exposure.' International Journal of Oncology 41(1): 369-377.

[8] Pheruzo Tarapore, Jun Ying, Bin Ouyang, Barbara Burke, Bruce Bracken, Shuk-Mei Ho. Exposure to Bisphenol A Correlates with Early-Onset Prostate Cancer and Promotes Centrosome Amplification and Anchorage-Independent Growth In Vitro. PLOS ONE, 2014, 9 (3): e90332 DOI: 10.1371/journal.pone.0090332

[9] Richter, Catherine A.; Birnbaum, Linda S.; Farabollini, Francesca; Newbold, Reatha R.; Rubin, Beverly S.; Talsness, Chris E.; Vandenberg, John G.; Walser-Kuntz, Debbie R.; and vom Saal, Frederick S. (2007) "In Vivo Effects of Bisphenol A in Laboratory Rodent Studies", Reproductive Toxicology, Vol 24, No. 2, p.199-224 <https://academic.oup.com/endo/article/157/2/636/2422708>

[10] Rochman, C.M., Hoh, E., Kurobe, T., Teh, S.J., 2013b. Ingested plastic transfers hazardous chemicals to fish and induces hepatic stress. Sci. Rep. 3, 3263.

[11] Luis Gabriel Antón-Barboza. (2018). Marine microplastic debris: An emerging issue for food security, food safety and human health. Marine Pollution Bulletin