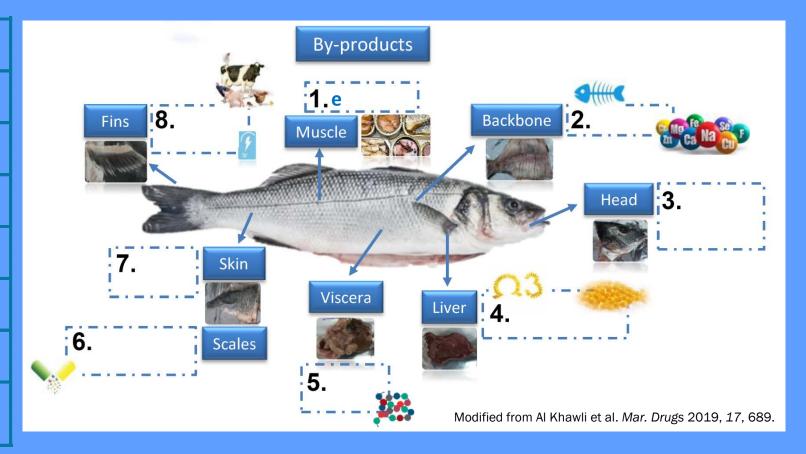


## **Aquaculture biomass. Part II: BY-PRODUCTS FROM FISH**

Activity 1. The diagram shows the by-products that we can produce from fish side-stream biomass (1–8). Complete the diagram with the missing by-products (a–h).

- a. Animal feed, energy
- b. Protein hydrolysate, PUFA
- c. Collagen, gelatin
- d. Fish oil, food supplements
- e. Fish products
- f. Proteins, peptides
- g. Minerals
- h. Chitin, coatings, pharmaceuticals





Activity 2. According to the video, what are 6 ways in which omega-3 fatty acids are good for us?

Number the benefits in the order in which they appear in the video.

| Good for your hair, skin and nails |
|------------------------------------|
| Good for your eyes                 |
| Good for your brain                |
| Can help you sleep better          |
| 1 Good for your heart 💙            |
|                                    |



Can potentially help prevent some types of cancer 🤗



## Activity 3. There are three main types of processed fish protein. Look at the definitions below and fill in the gaps with words from the box. Be careful! You don't need to use all the words.

| health benefits                     | bioactive fish peptides         |
|-------------------------------------|---------------------------------|
| polyunsaturated fatty acids (PUFAs) | fish protein concentrates (FPC) |
| fish hydrolysates                   | omega-3 fatty acids             |

