

Ion Exchange Resins

Anion

Vs.

Cation

Vs.

Mixed Bed

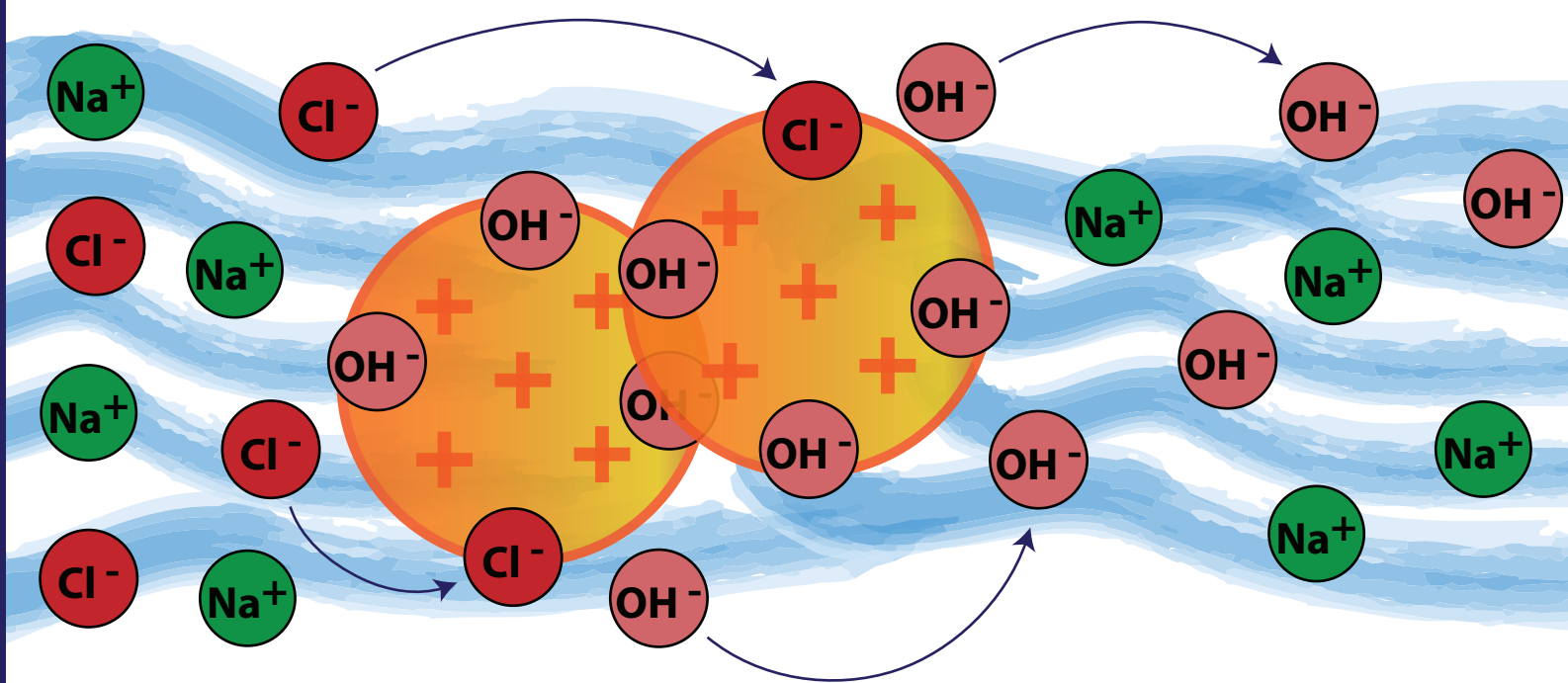
There are two main types of ion exchange resins:

1. **Anion Exchange Resins:** Positively charged resins that attract **negatively charged ions**
2. **Cation Exchange Resins:** Negatively charged resins that attract **positively charged ions**

When anion and cation resins are mixed together, this is referred to as a mixed bed resin.

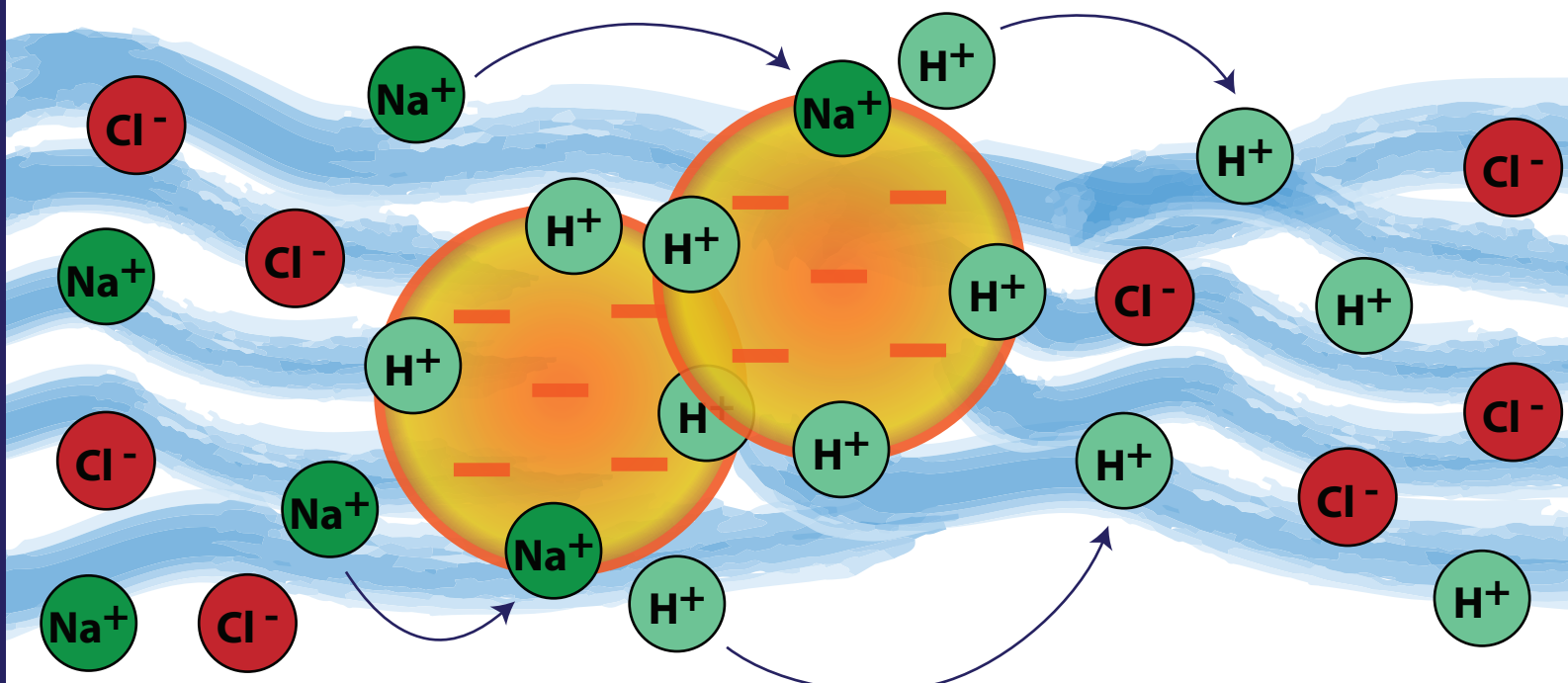
Anion Exchange Resins

Anion resins are used in the exchange and removal of **undesired negatively charged ions**, aka anions. The **positively charged anion resin** attracts and traps the negatively charged ions.



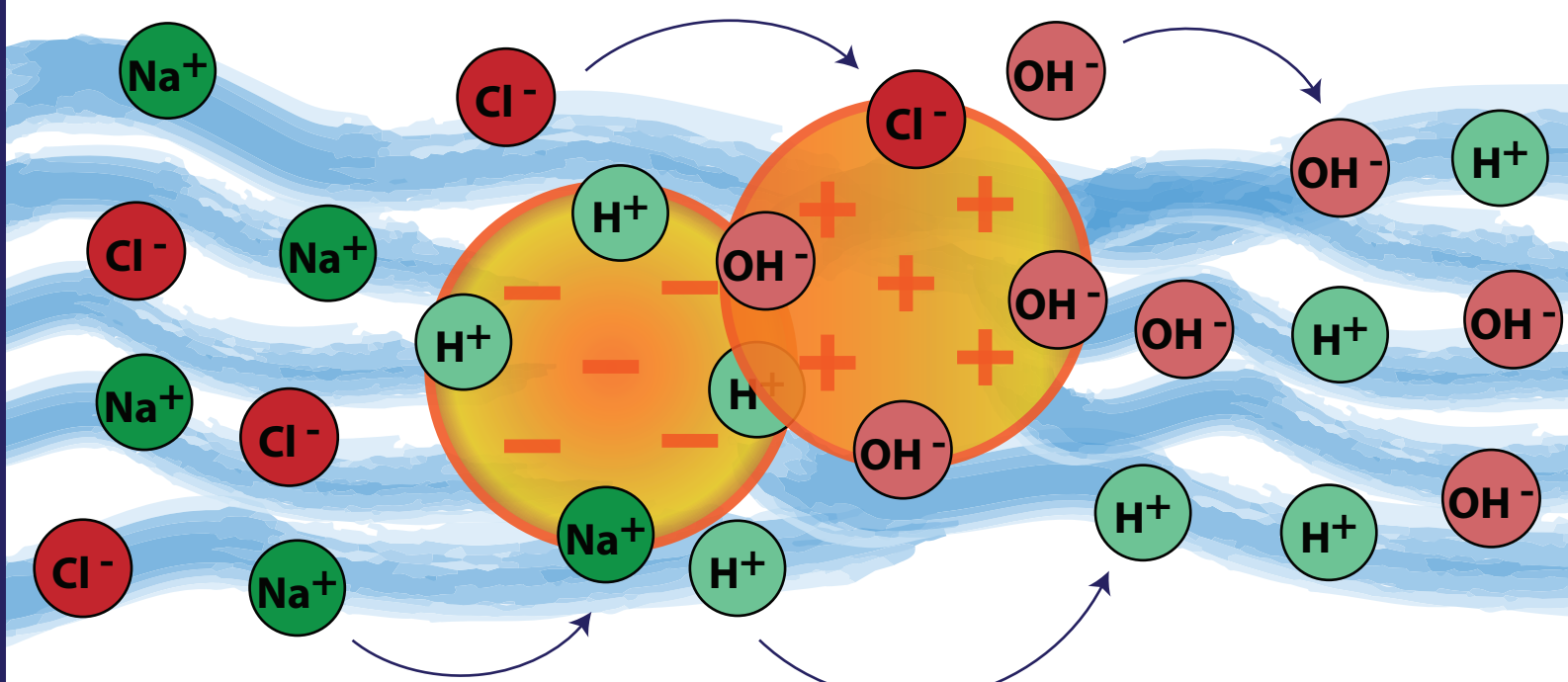
Cation Exchange Resins

Cation resins are used in the exchange and removal of **undesired positively charged ions**, aka cations. The **negatively charged cation resin** attracts and traps the positively charged ions.



Mixed Bed Exchange Resins

When both cation and anion resins are used together, they form what is known as a mixed bed resin. The use of the two types of resins enable the removal of undesired ions of both **negative** and **positive** charges.



For further information about ion exchange, visit:

WaterProfessionals.com/process-water/ion_exchange.html



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