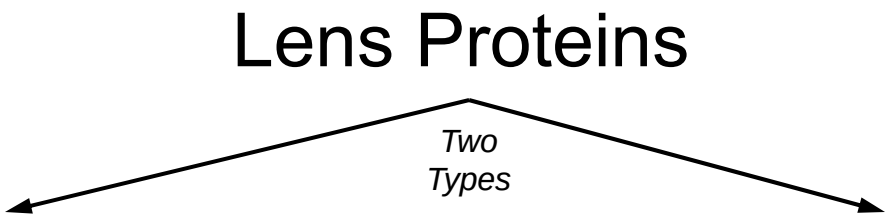
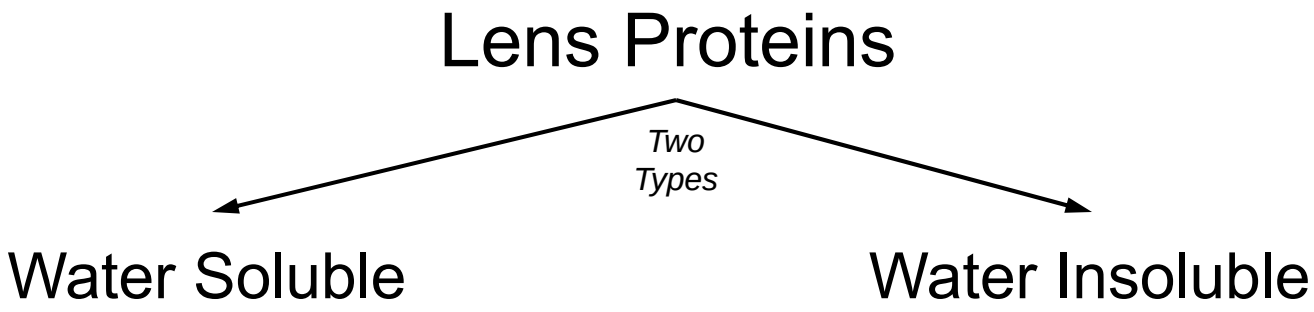
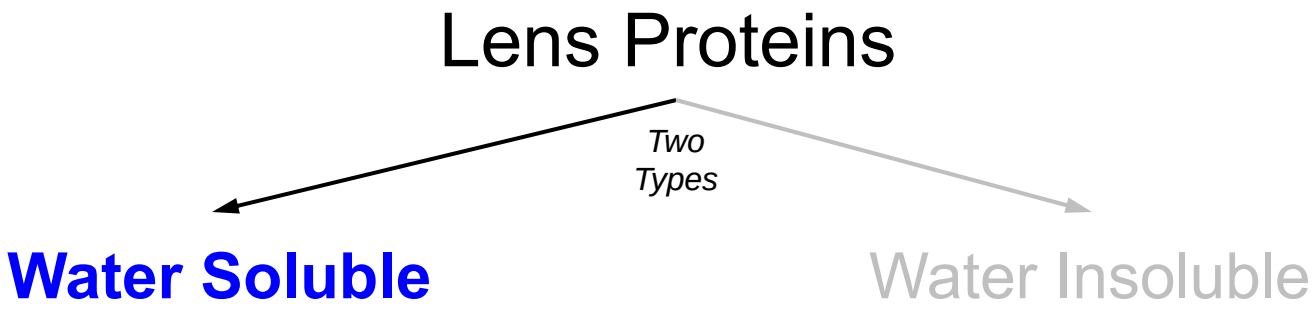
Lens Proteins



Lens Proteins

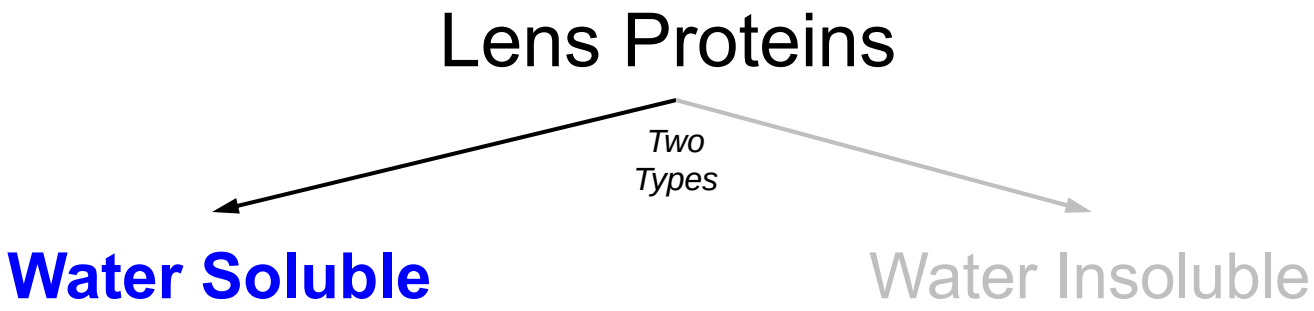


Lens Proteins



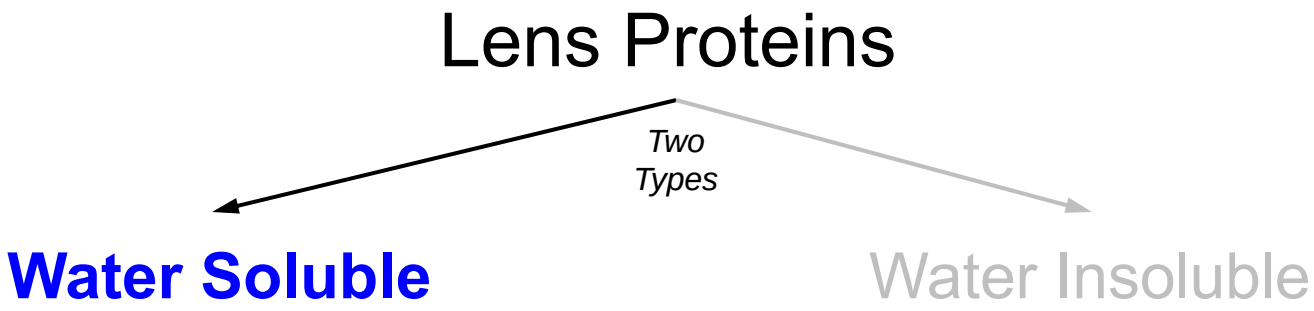
What is the other name applied to the water-soluble proteins?

Lens Proteins



What is the other name applied to the water-soluble proteins?
The crystallins

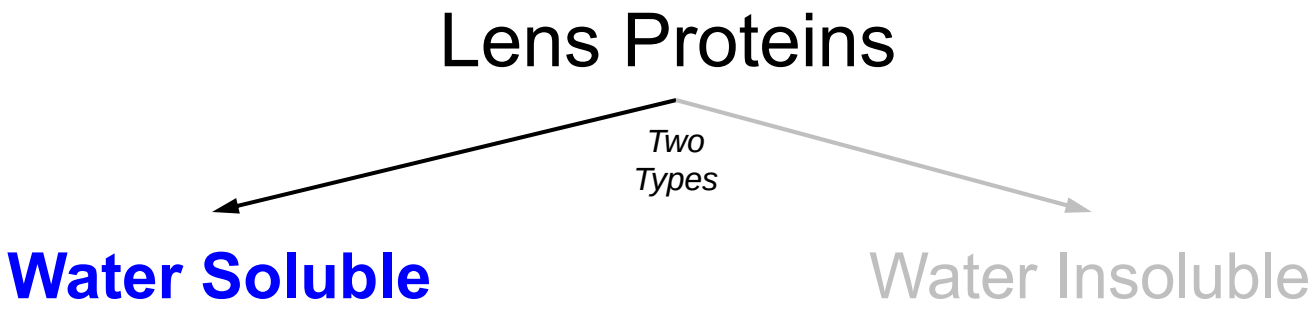
Lens Proteins



What is the other name applied to the water-soluble proteins?
The crystallins

Are the water-soluble proteins intracellular or extracellular?

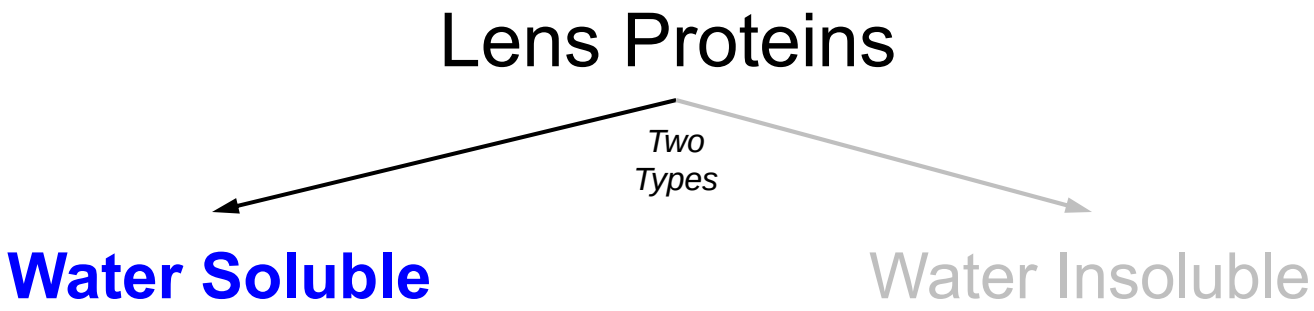
Lens Proteins



What is the other name applied to the water-soluble proteins?
The crystallins

Are the water-soluble proteins intracellular or extracellular?
Intracellular

Lens Proteins

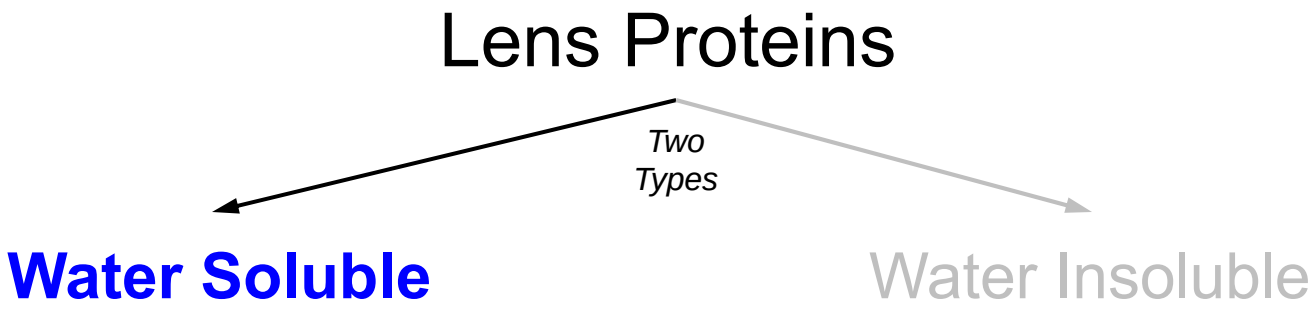


What is the other name applied to the water-soluble proteins?
The crystallins

Are the water-soluble proteins intracellular or extracellular?
Intracellular

They comprise what percent of total lens proteins?

Lens Proteins

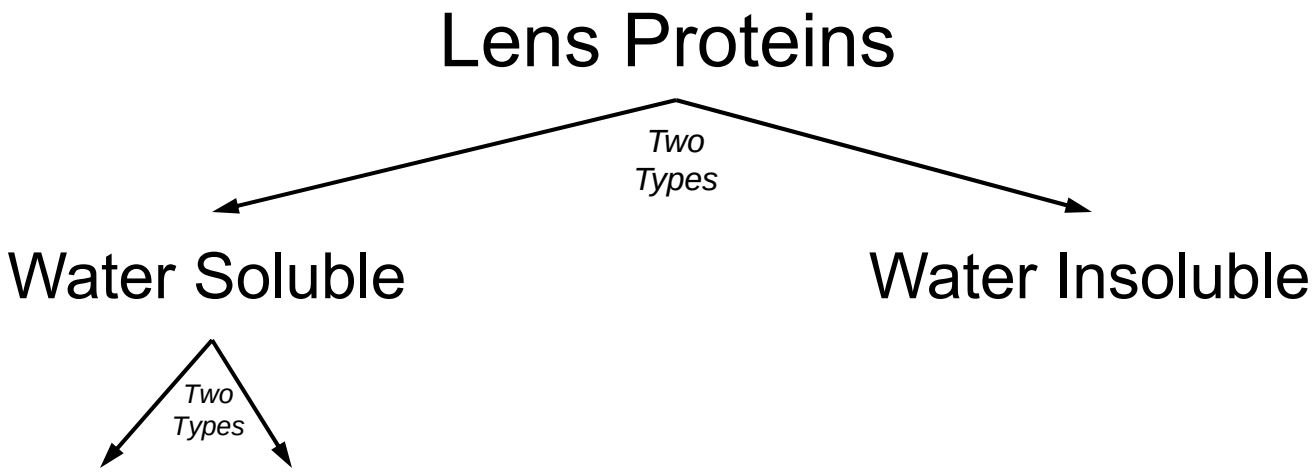


What is the other name applied to the water-soluble proteins?
The crystallins

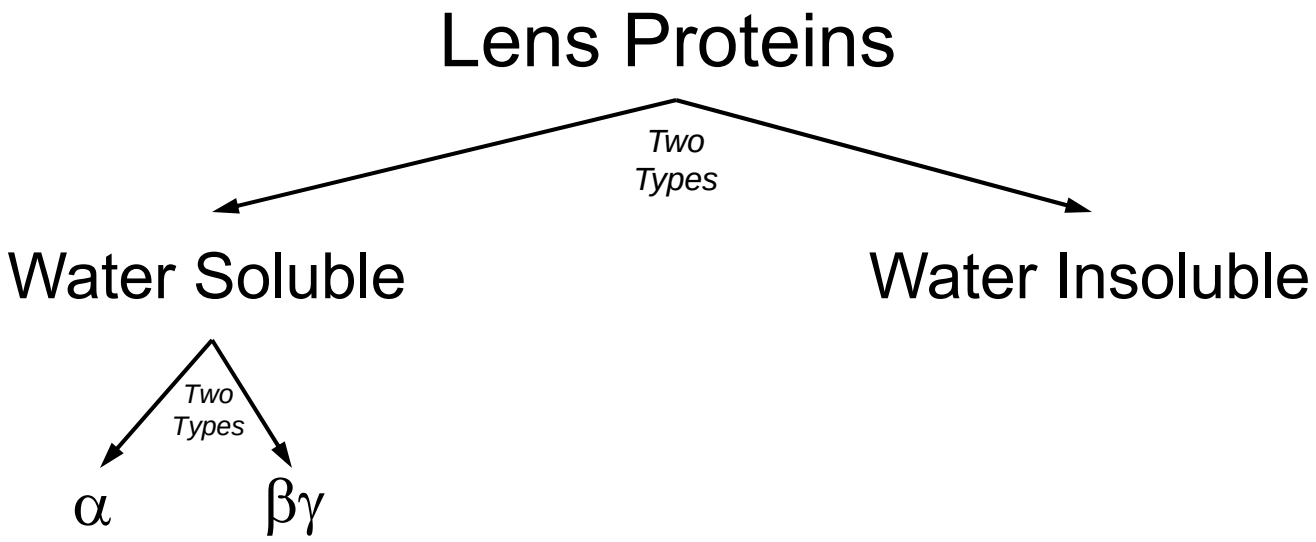
Are the water-soluble proteins intracellular or extracellular?
Intracellular

They comprise what percent of total lens proteins?
80%

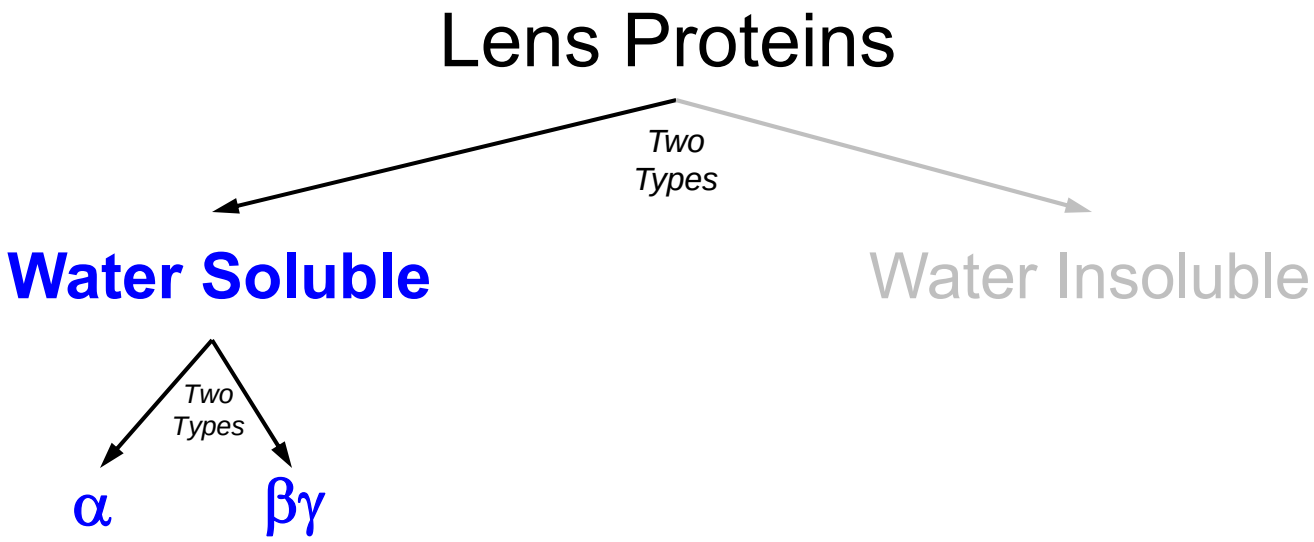
Lens Proteins



Lens Proteins



Lens Proteins



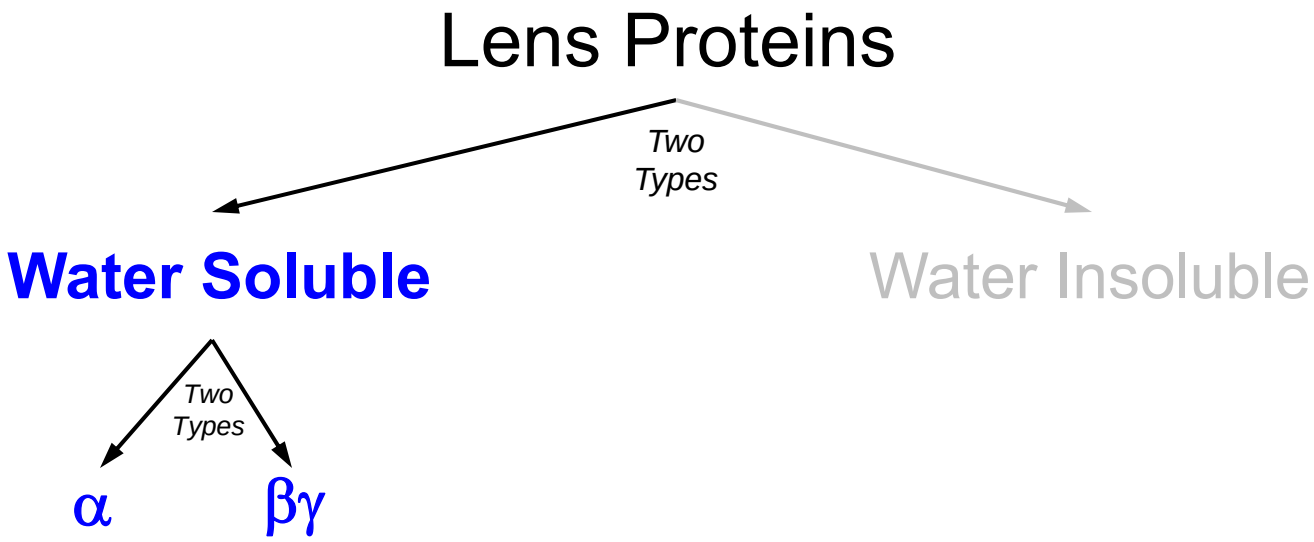
What triviality might you be expected to remember about each of the water-soluble proteins?

α:

β:

γ:

Lens Proteins



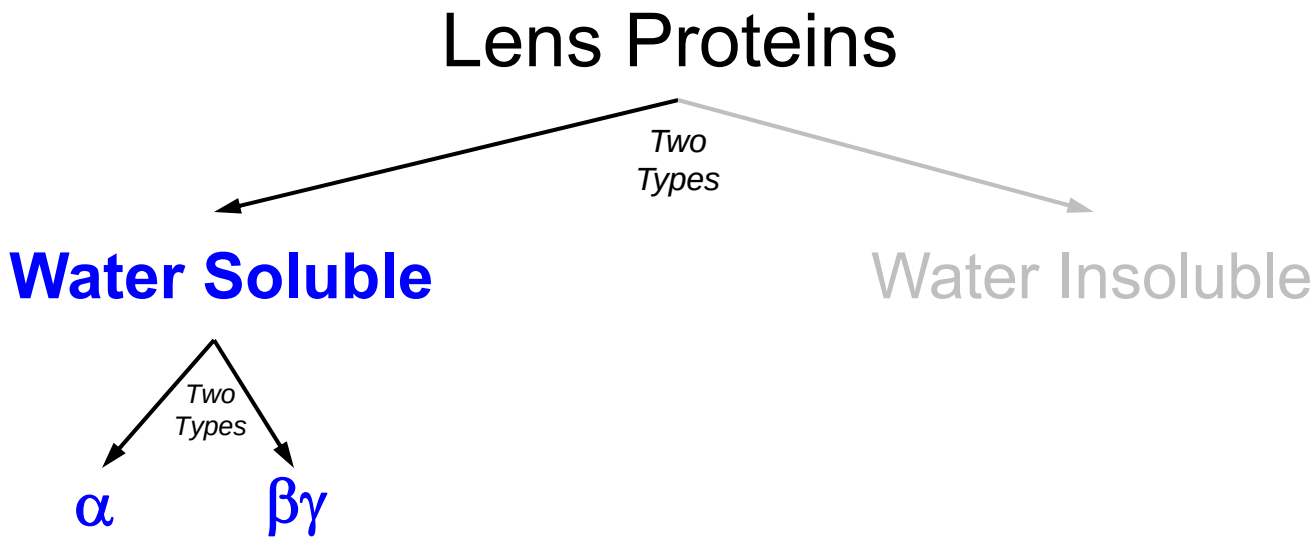
What triviality might you be expected to remember about each of the water-soluble proteins?

α: the largest

β:

γ:

Lens Proteins



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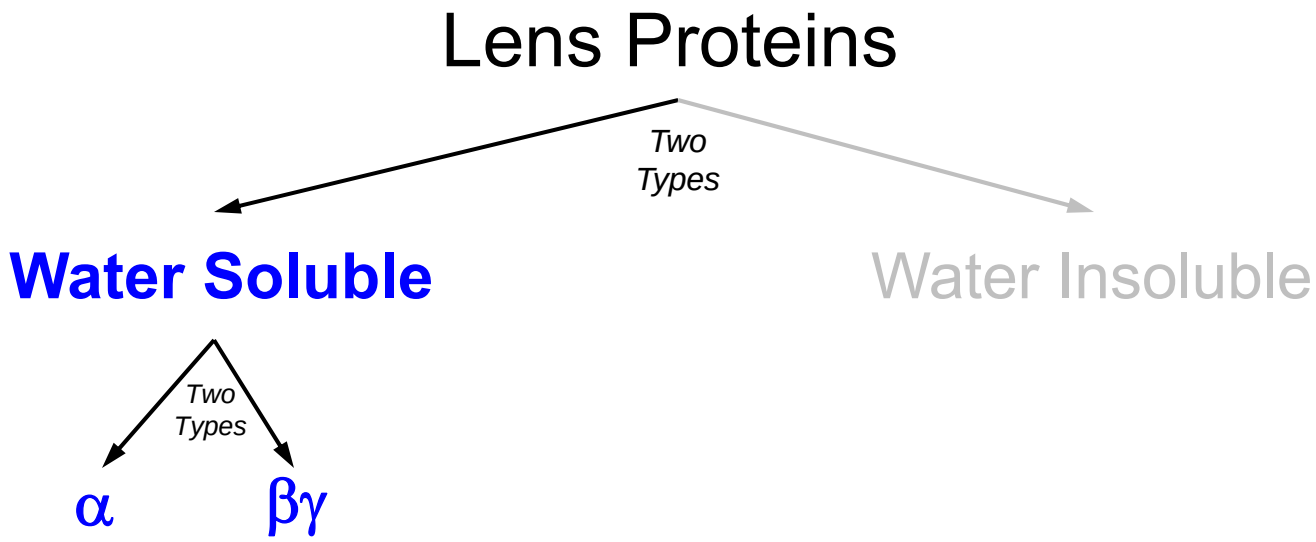
γ:

Lens Proteins



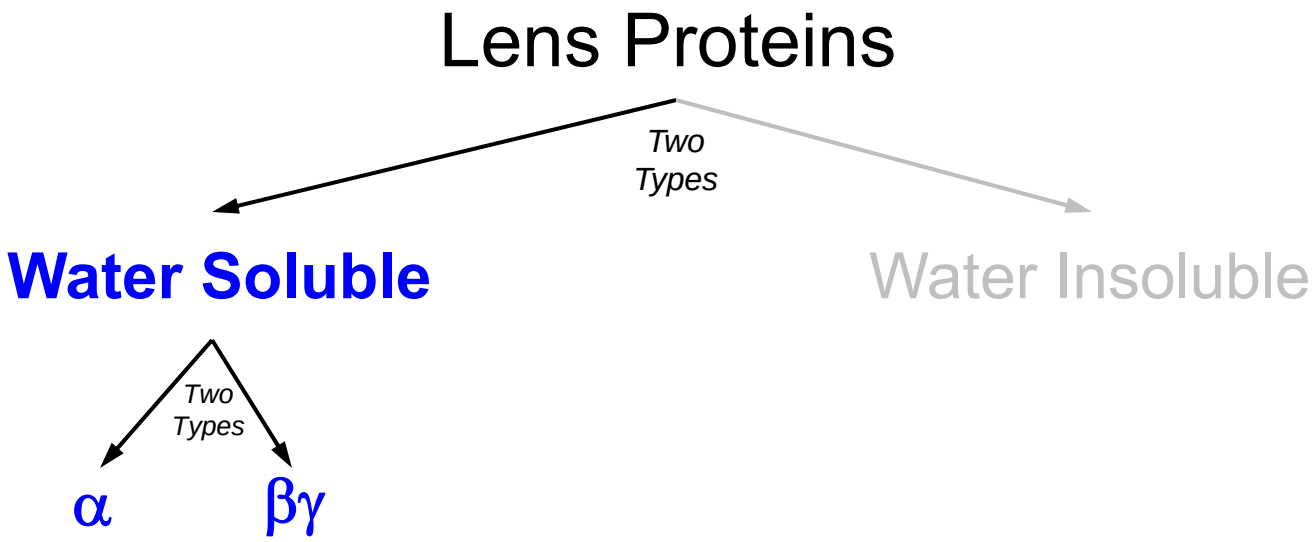
What triviality might you be expected to remember about each of the water-soluble proteins?

α: the largest

β: the most common by weight

γ:

Lens Proteins



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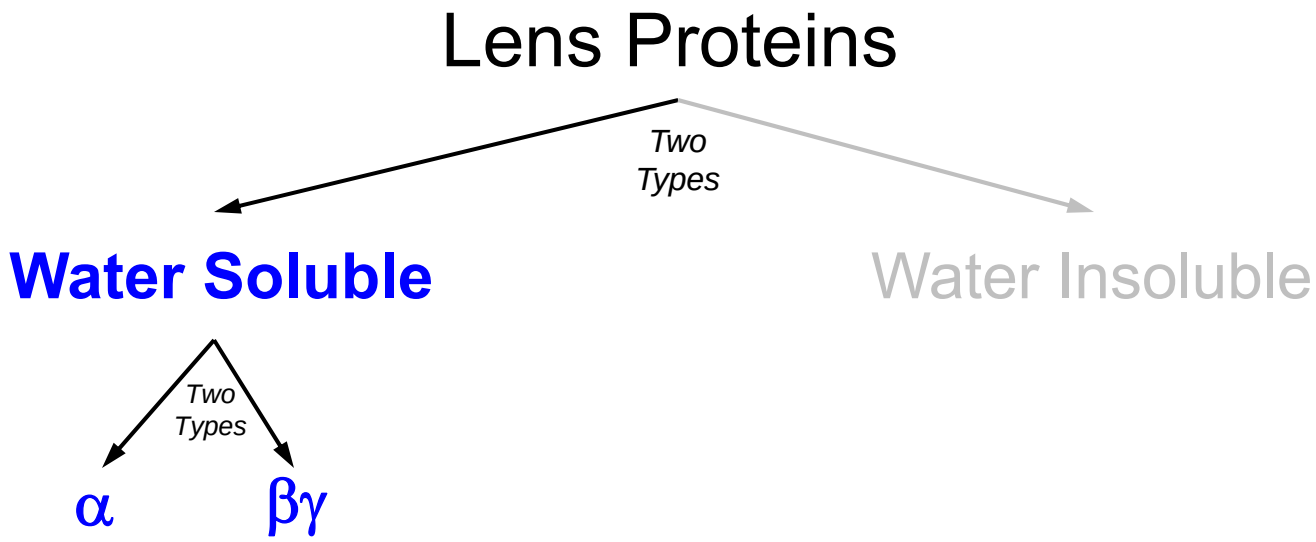
γ:

Lens Proteins



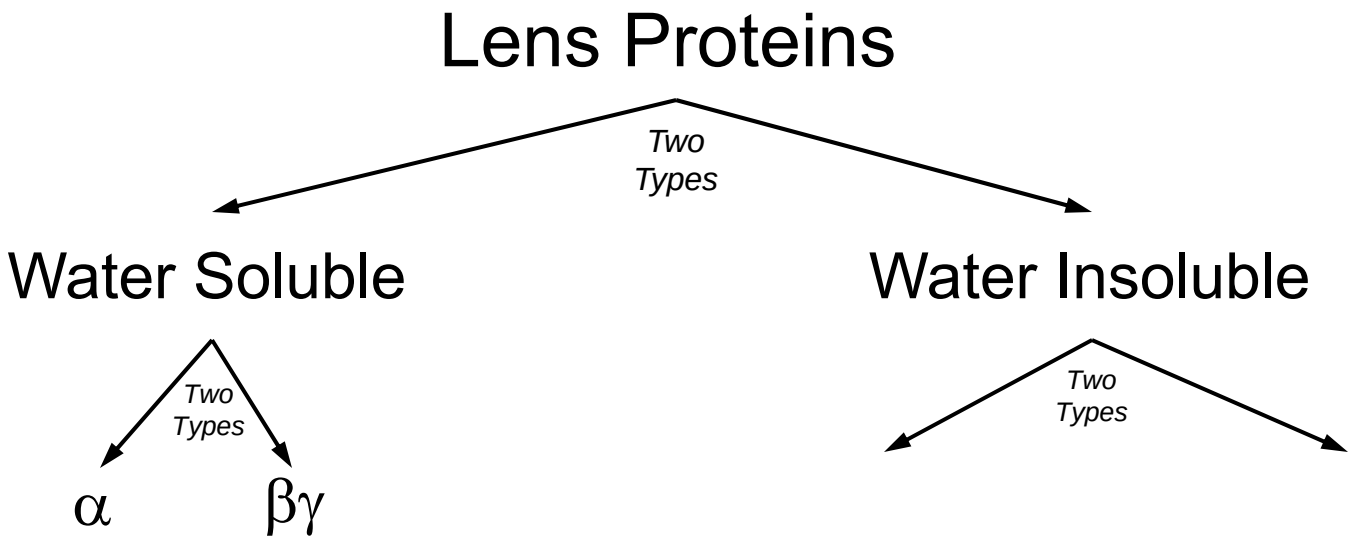
What triviality might you be expected to remember about each of the water-soluble proteins?

α: the largest

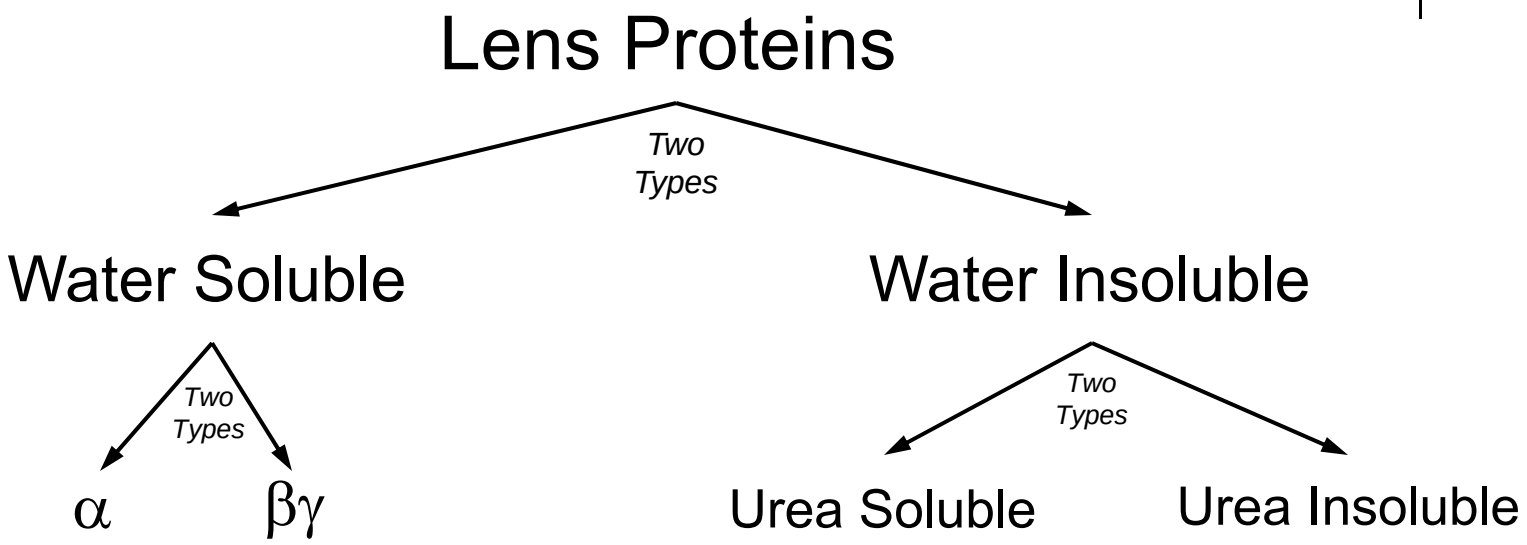
β: the most common by weight

γ: the smallest

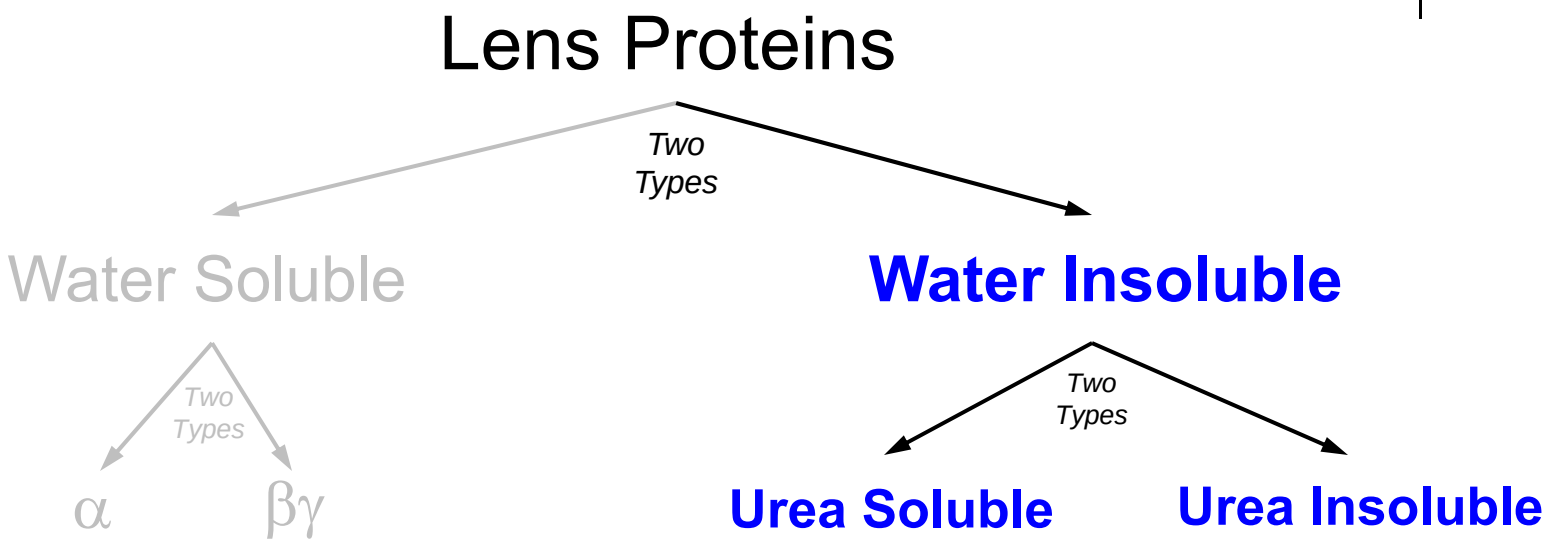
Lens Proteins



Lens Proteins



Lens Proteins

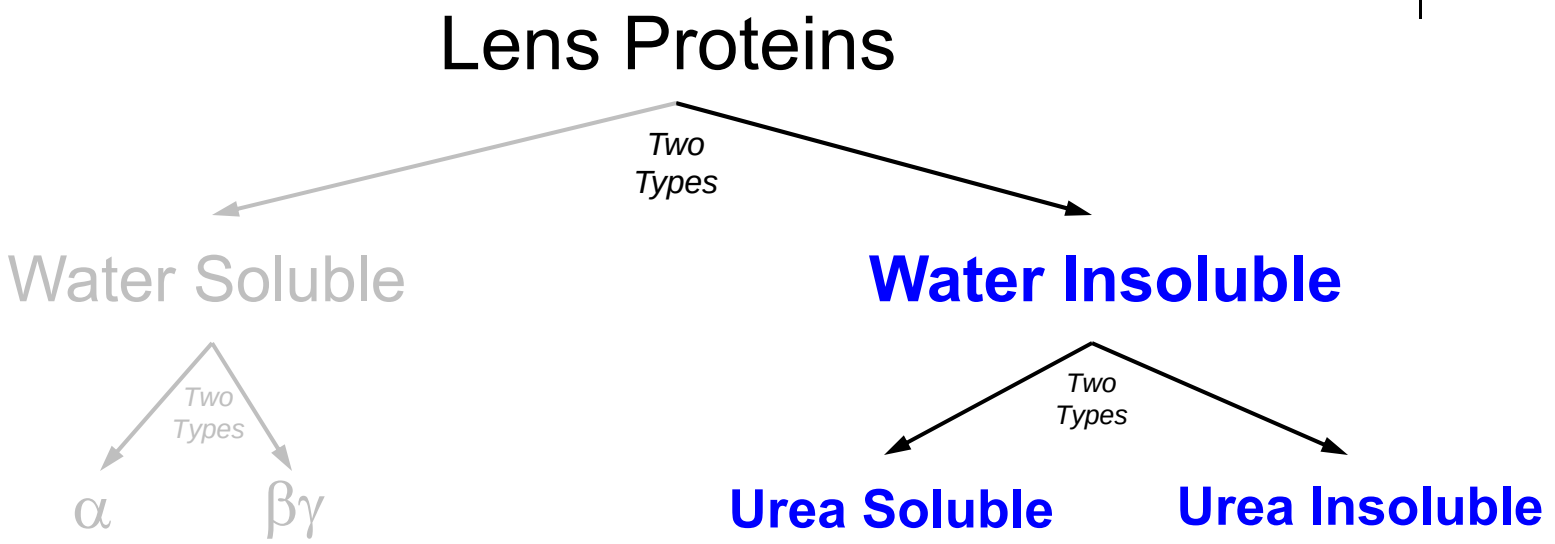


What are the other names for the water-insoluble proteins?

Urea soluble: aka…

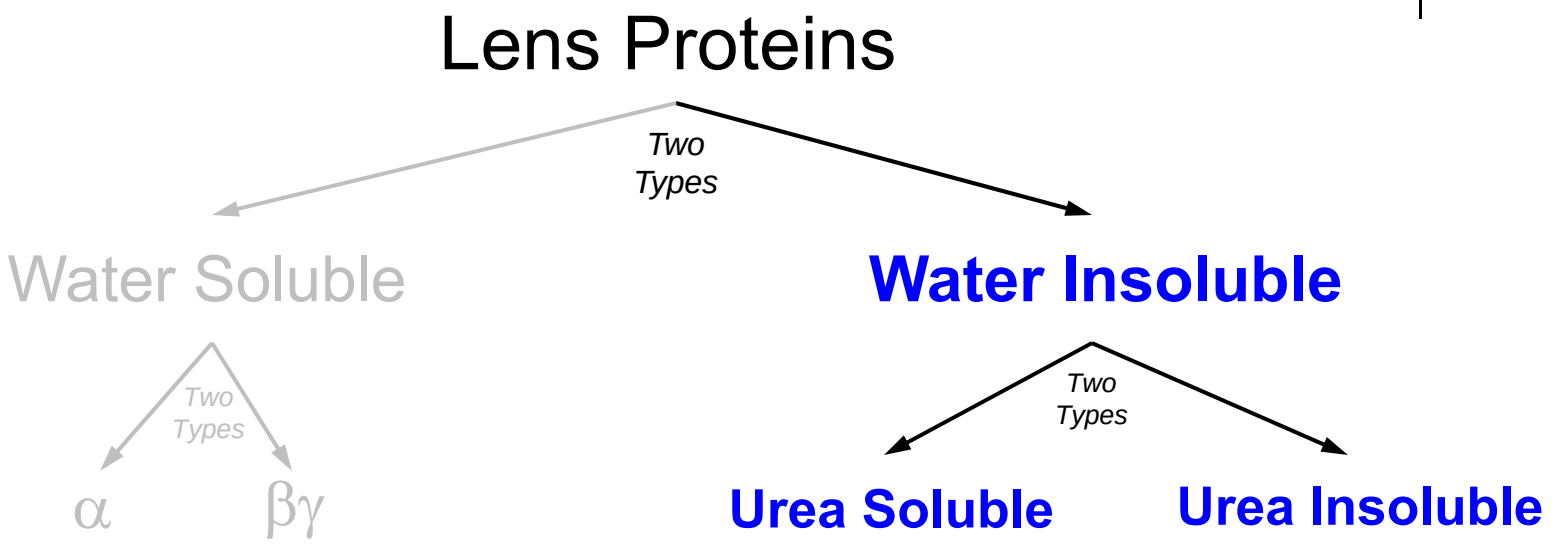
Urea insoluble:

Lens Proteins



What are the other names for the water-insoluble proteins?
Urea soluble: aka…**cytoskeletal proteins**
Urea insoluble:

Lens Proteins



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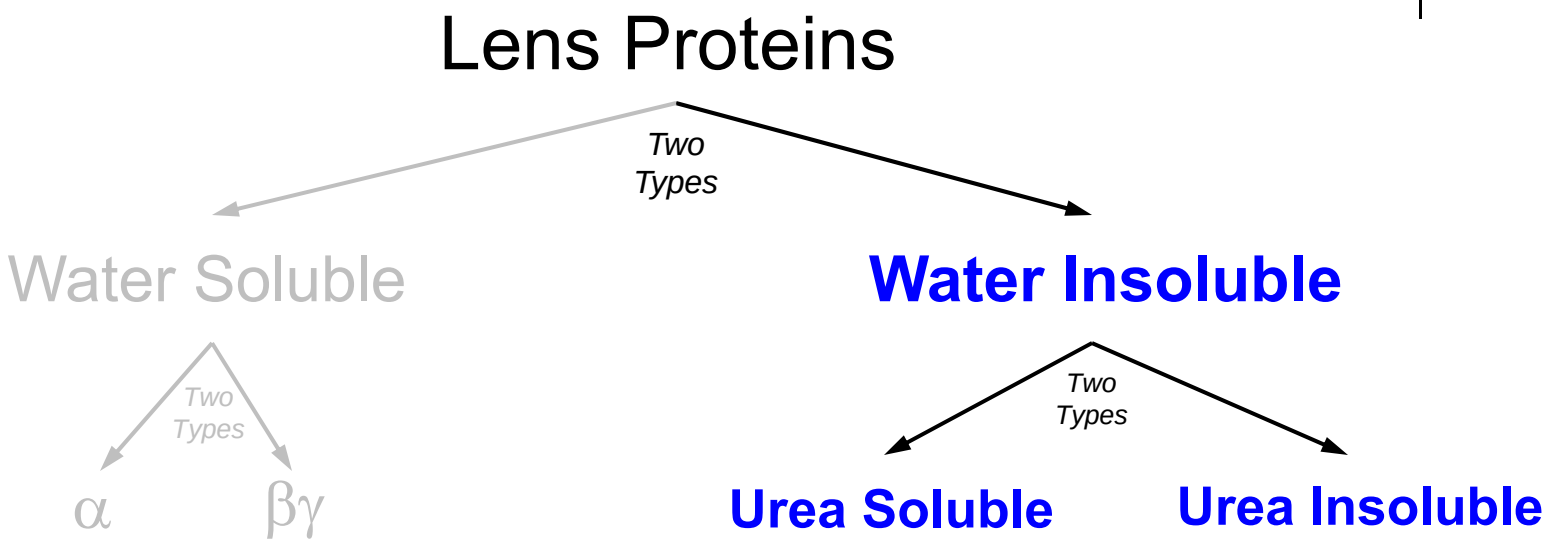
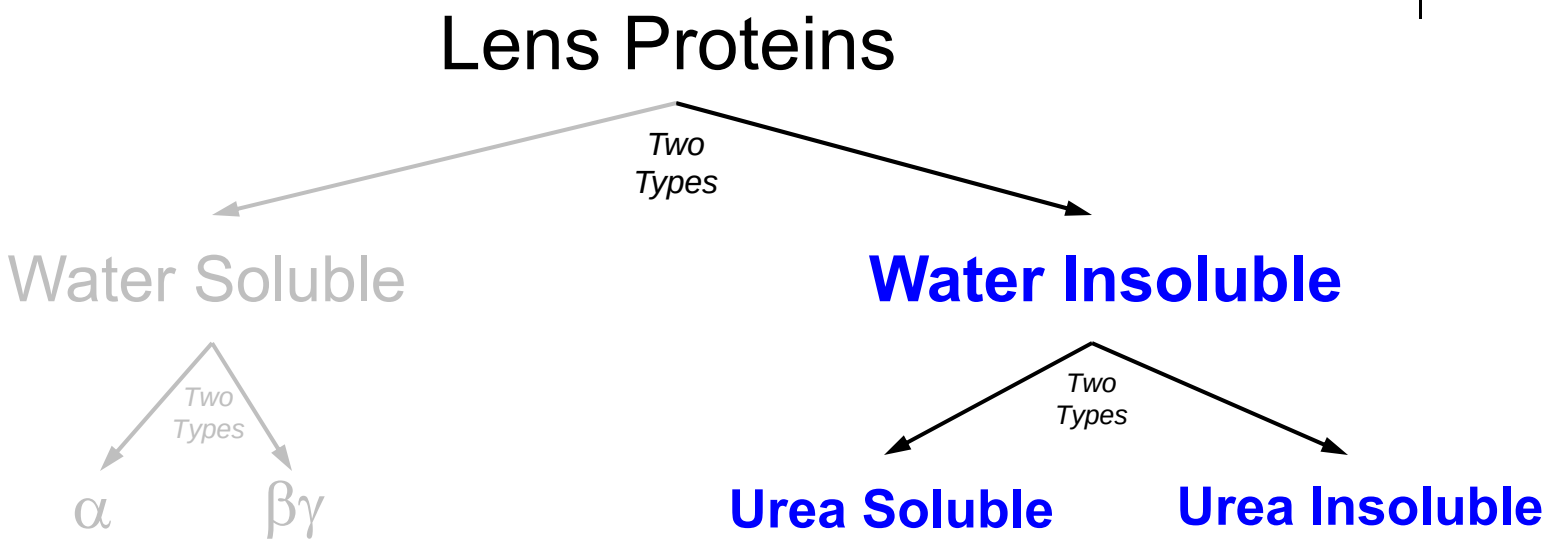


What are the other names for the water-insoluble proteins?
Urea soluble: aka…**cytoskeletal proteins**
Urea insoluble: aka…**major intrinsic proteins (MIP)**

Lens Proteins



What are the other names for the water-insoluble proteins?
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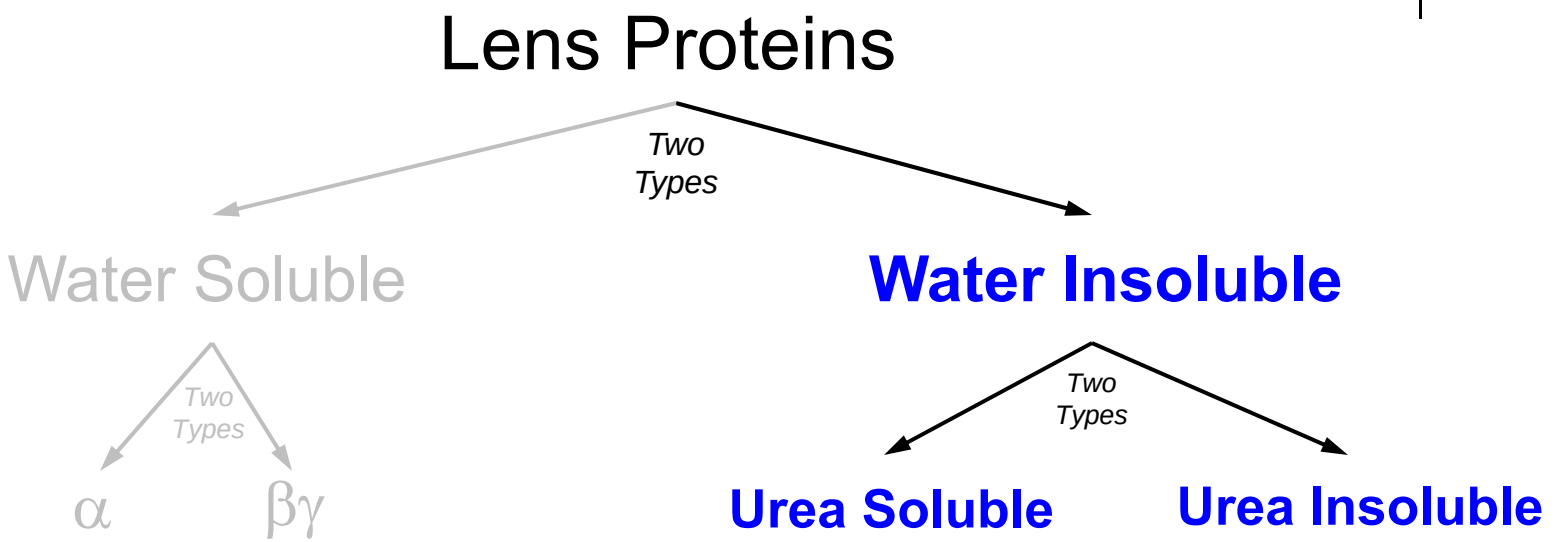
What are their functions?
Cytoskeletal proteins:
MIPs

Lens Proteins



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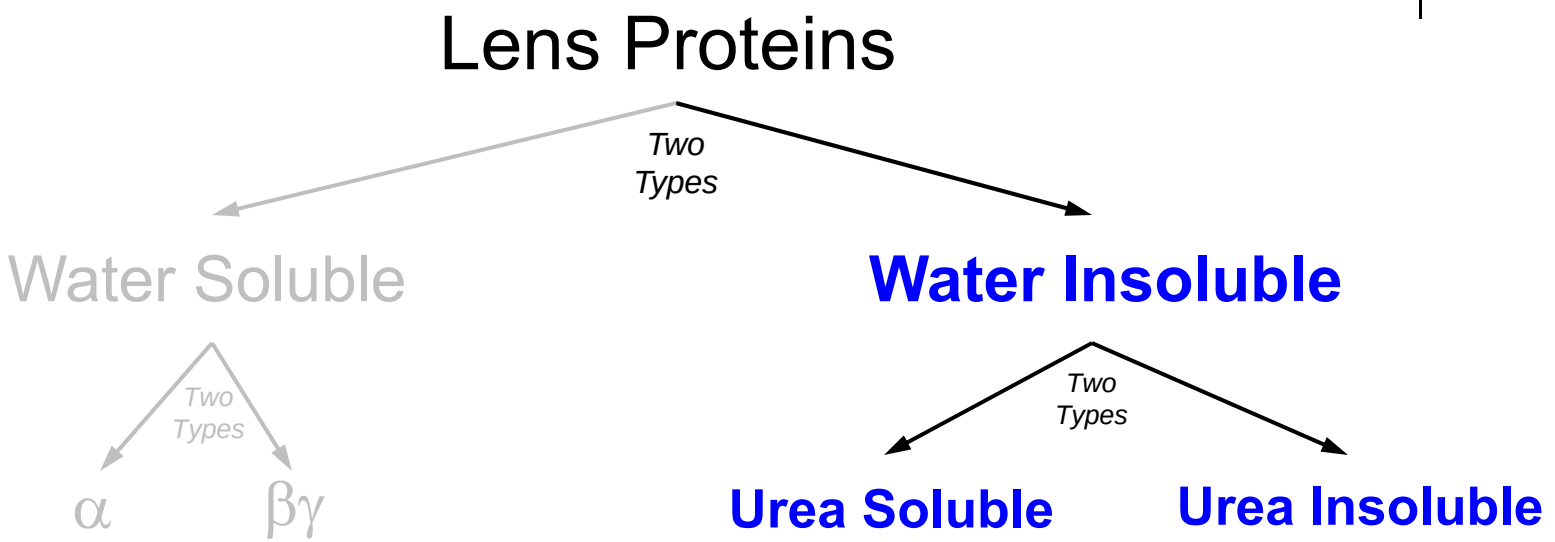
What are their functions?
Cytoskeletal proteins: **Structural support for cells**
MIPs

Lens Proteins



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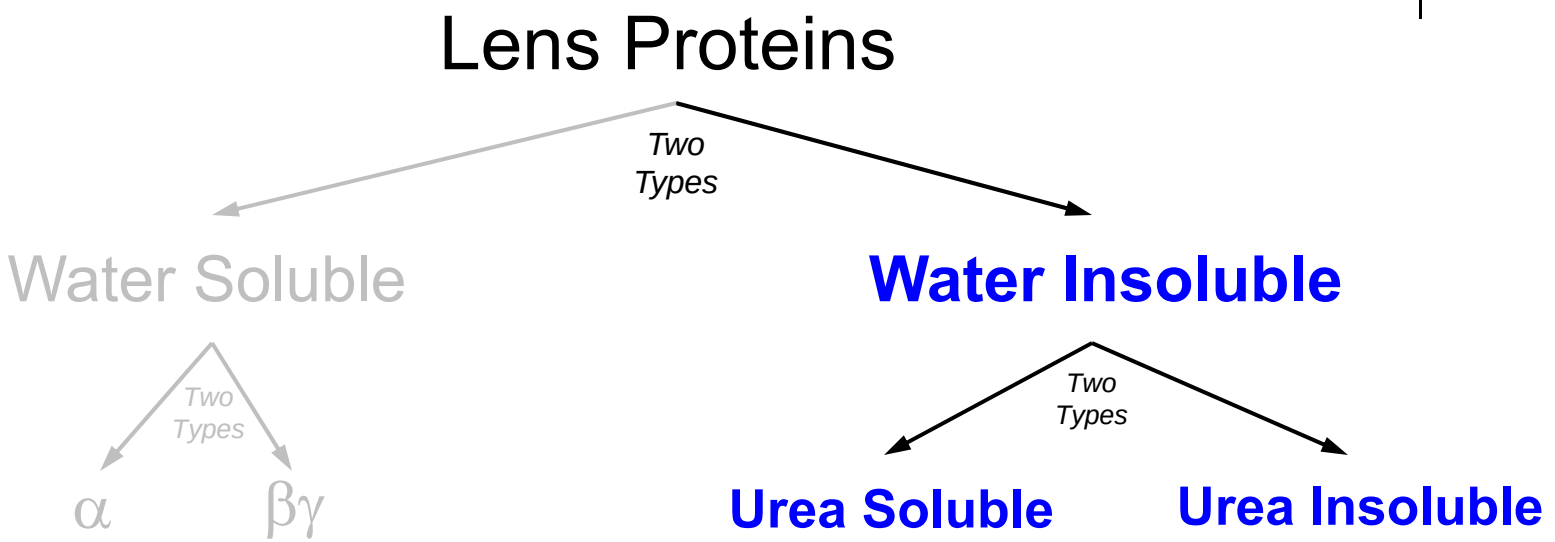
Lens Proteins



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Urea insoluble: aka…**major intrinsic proteins (MIP)**

What are their functions?
Cytoskeletal proteins: **Structural support for cells**
MIPs**: Unclear; they appear after epithelial cells transform into lens fibers**