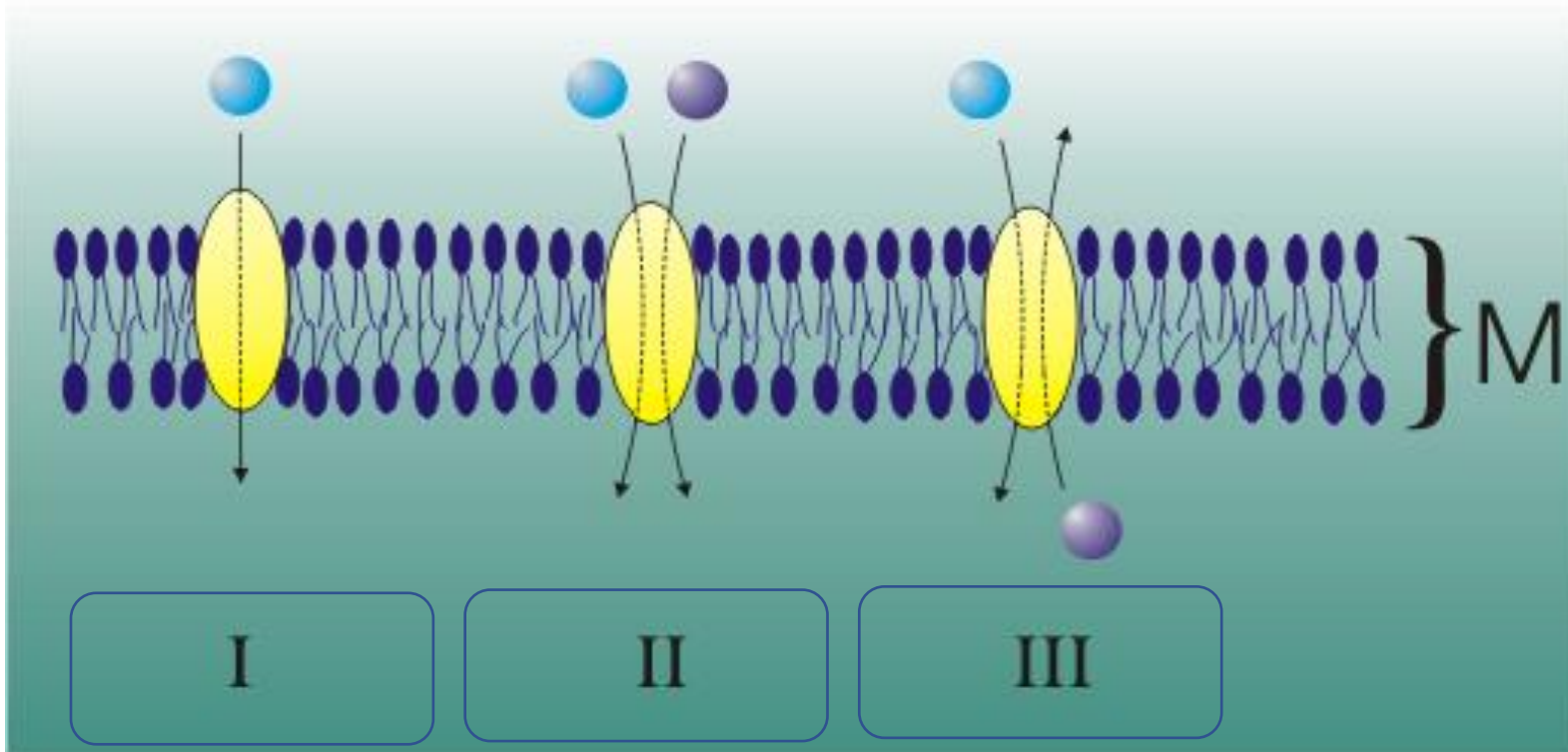


1. Transport types



Przesuń nazwę do właściwego boksu; Drag the name into the proper box.

A. symport

B. uniport

C. antiport

2. Glucose transporters

Name	Localization	Function
GLUT1		F. Basal transport
GLUT2		G. insulin-dependent
GLUT3		H. Basal transport
GLUT4		I. Transport of elevated glucose level
SGT		J. Glucose&Na Co-transport

A. Red blood cells

B. neurons

C. liver, pancreas

D. myocytes, adipocytes

E. enterocytes

F. Basal transport

G. insulin-dependent

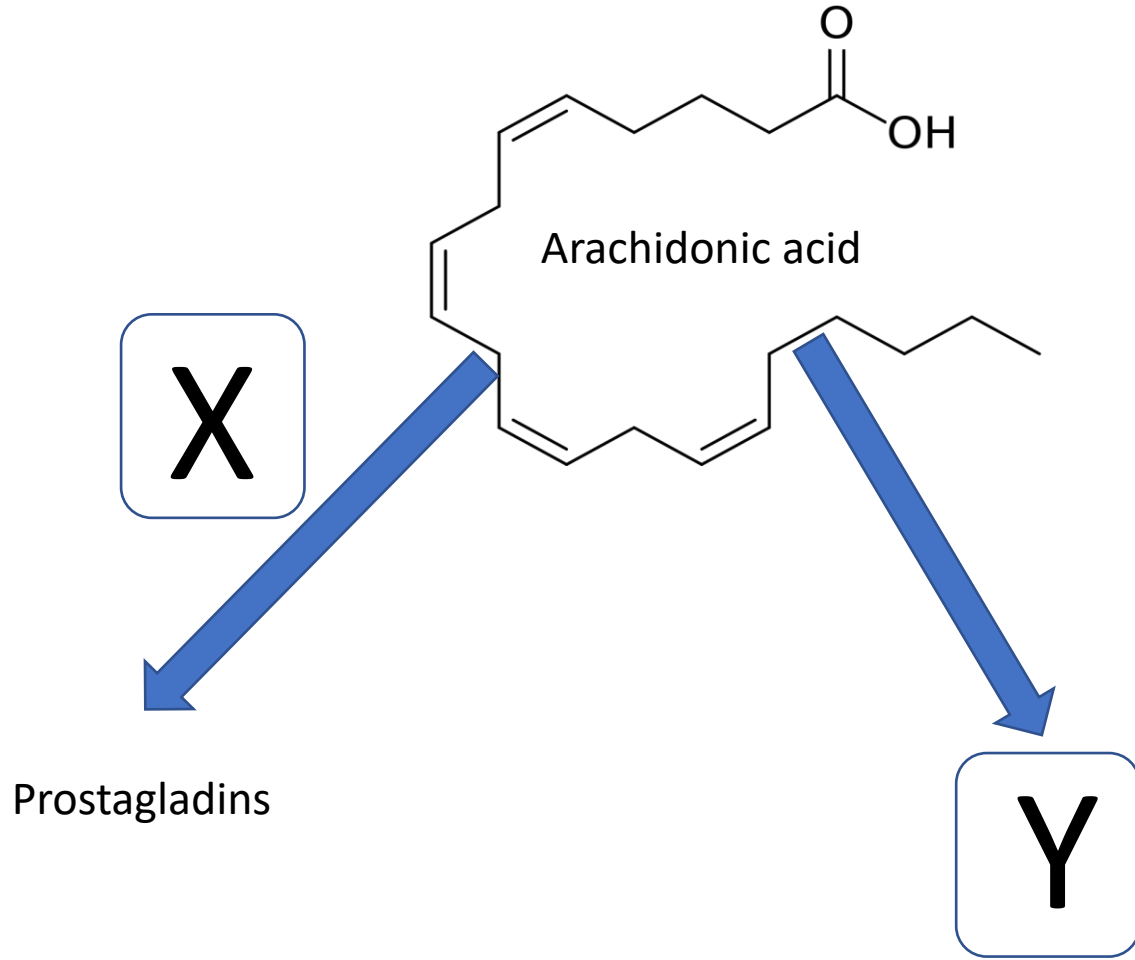
H. Basal transport

I. Transport of elevated glucose level

J. Glucose&Na Co-transport

Drag the name into the proper box.

3. Eikosanoids



X =

Y =

Fill the name

4. Protein sorting&trafficking

Sequence/Marker	Destination/Function
1. Mannoze-6-phosphate	
2. KDEL	
3. NLS	
4. Poly-Ubiquitin	
5. Clatrin	
6. SNARE	
7. SRP	

A. Proteasom

B. Retrograde to ER

C. Coated vesicles

D. Transport to nucleus

E. Transport lysosome

F. Ribosome docking

G. Vesicle fusion

Drag the name into the proper box.

5. Cytoskeleton

Element	Lokalizacja
1. Microtubules	
2. Desmin Filaments	
3. Actin Filaments	
4. Lamins	
5. Laminin	
6. Keratin Filamenty	
7. Spectrin	

A. Muscle cell

B. Nucleus

C. Basal lamina

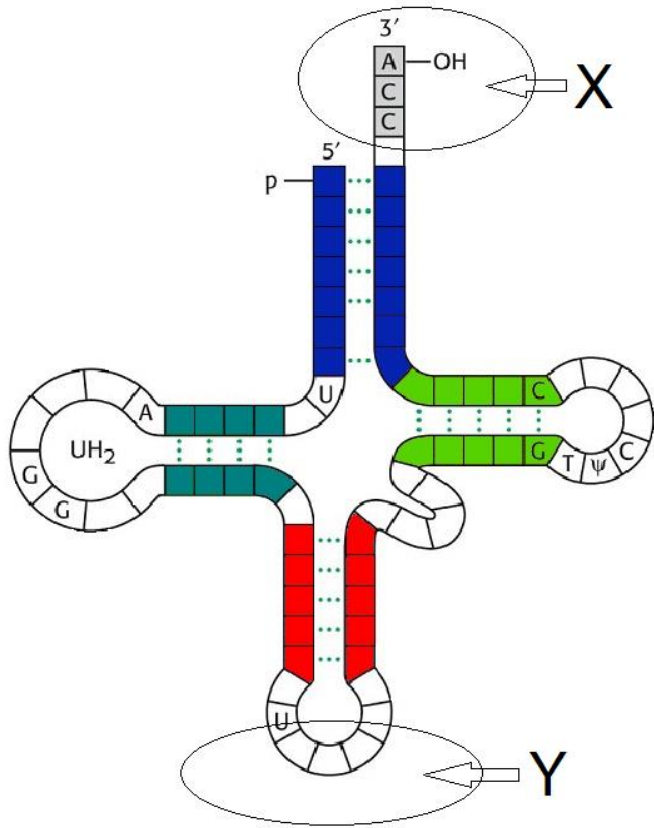
D. Epithelial cell

E. Fibroblast

F. Red blood cell

G. Mitotic spindle

6. The picture shows



X - The place of binding with

Y - loop

7. Medical drugs and cytophysiology

Fill the appropriate letter

substance	action	use
1. Taxol		
2. Chloramphenicol		
3. Vinblastine		
4. Tetracycline		
5. Colchicine		Another use
6. Erythromycin		
7. Vincristine		

- A. Inhibition of microtubule polymerization
- B. Inhibition of protein synthesis
- C. Microtubule stabilization
- D. Antibiotic
- E. Cytostatic

8. Cell membrane

Lipid	% total	E external (%)	P internal (%)
Cholesterol	23	C	D
Phosphatidylinositol	1	E	F
A	18	20	80
Phosphatidylethanolamine	17	80	20
B	7	0	100
Sphingomyelin	18	90	10
Glycopilids	3	G	H

UZUPEŁNIJ

A:

B:

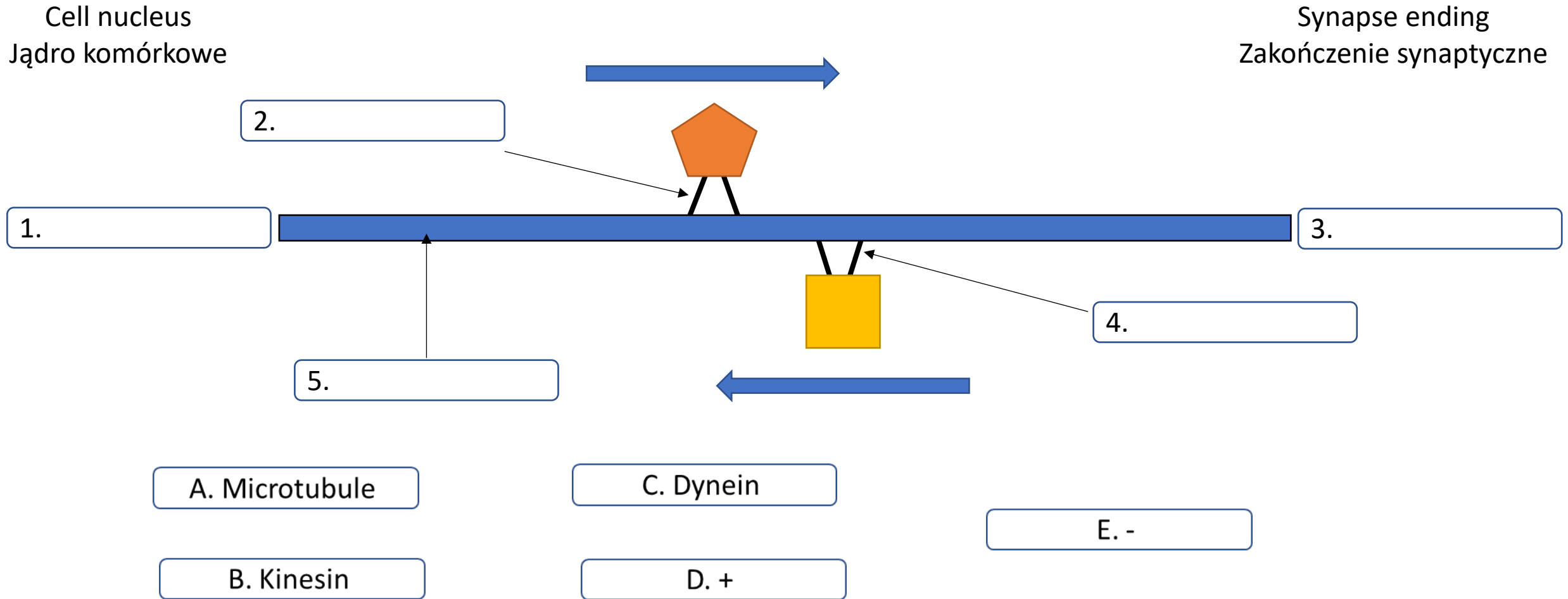
C:

D:

E:

F:

9. Cellular movement



Drag the name into the proper box.