





How does thought
develop?

№ Piaget's theory focuses on \_\_\_\_\_

№ Piaget believed that children play an active role in their cognitive development.

- Piaget's theories emphasized biology, which allow them to be applied to any culture

### Piagetian Stage Approach

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 ${f cs}$  Piaget claimed that all children pass through a series of four universal stages:

- Sensorimotor (birth to 2 years)
- Preoperational (2 to 7 years)
- Concrete operational (7 to 12 years)
- Formal operational (12 years and beyond)

## Piaget believed that infants spend a LOT of time trying to make sense of the world.

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- a way of organizing and categorizing thoughts and experiences.

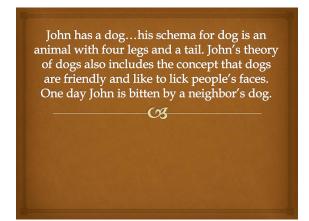
≪Schemas allow children to make comparable generalizations.

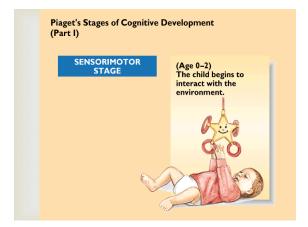


Piaget believed that children develop and modify schema
by two processes:



WaitI have a new idea!		
ca		
☐ Example-The baby with a schema of dogs is surprised the first time she sees a cat- it resembles a dog, but meows instead of barks and rubs up against her rather than licking		
The baby must her previous theory to include this new kind of animal.		



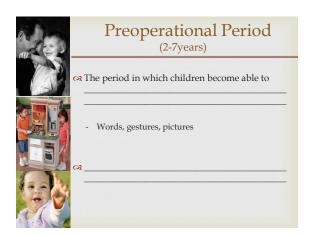




Sensorimotor Stage (birth-2yrs) ————————————————————————————————————	
Infants construct an understanding of the world by coordinating sensory experiences with motor actions	
Infants begin to interact with	
Realizing that a rattle makes noise-they shake their arms and laugh whenever someone puts a rattle in their hand	
Why is peek-a-boo fun	
for babies?	
This is a cognitive milestone that develops in the Sensorimotor stage called	







# What games did you play at this age?

 ${\color{red} {\rm Children}}$  Play with objects in new ways and try to







### Me, Me, Me....

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 ${\color{red} \bowtie}$  A key element in this stage is egocentrism

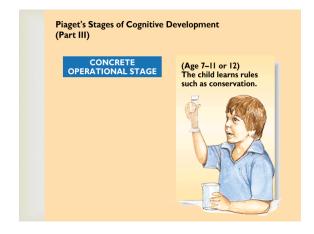
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m Children}}$  Children in this stage:

- Cannot see your point of view
- -

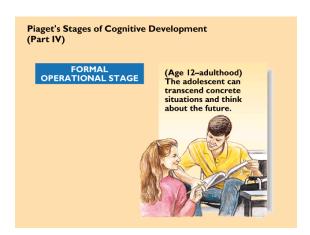


### Preoperational thinking is animistic: \_\_\_\_\_

- "dark clouds are angry"
- "soap sinks because it is tired"









#### Formal Operational Stage 12+

- Formal operational thought is more abstract and logical.
  - The individual can think <u>hypothetically</u>, consider future possibilities, and use complex thought and deductive logic.
- Children understand that reality is not the only possibility

### The return of egocentrism!

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 Adolescents can display very logical thought, but are not known for this use.

Analyzing private thoughts and feelings reflect the

You just don't understand ME!



### Back to the survey....

- \* Concrete Operational Child (9-year-old)
  - All of these children placed their third eye on the forehead between their two natural eyes
- \* Formal Operational Child (12-year-old)
  - These children gave a wide variety of answers with imaginative rationales
  - Some answered palm of the hand or inside the mouth and explained why.